SCREENING SITE INSPECTION REPORT
FOR
WASTELAND LANDFILL
LOCKPORT, ILLINOIS
U.S. EPA ID: ILD98090225B
SS ID: NONE
TDD: F05-8908-018
PAN: FIL0246SA

FEBRUARY 22, 1991

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International Specialists in the Environment

SIGNATURE PAGE
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TABLE OF CONTENTS

Table of Contents (Cont.)

LIST OF FIGURES

LIST OF TABLES

1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Wasteland Landfill site under contract number 68-01-7347. Circumstances surrounding the initial site discovery are unknown.

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Charles Gruntman of the Illinois Environmental Protection Agency (IEPA) and is dated May 23, 1984 (U.S. EPA 1984).

FIT prepared an SSI work plan for the Wasteland Landfill site under technical directive document (TDD) F05-8703-414 issued on March 21, 1987. The SSI work plan was approved by U.S. EPA on August 21, 1989. The SSI of the Wasteland Landfill site was conducted on August 30, 1989, under TDD F05-8908-018, issued on August 25, 1989.

The FIT SSI included a reconnaissance inspection of the site and the collection of nine soil/sediment samples.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step.

> A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.
>
> The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section presents information obtained from SSI work plan preparation and a reconnaissance inspection of the site.

2.2 SITE DESCRIPTION

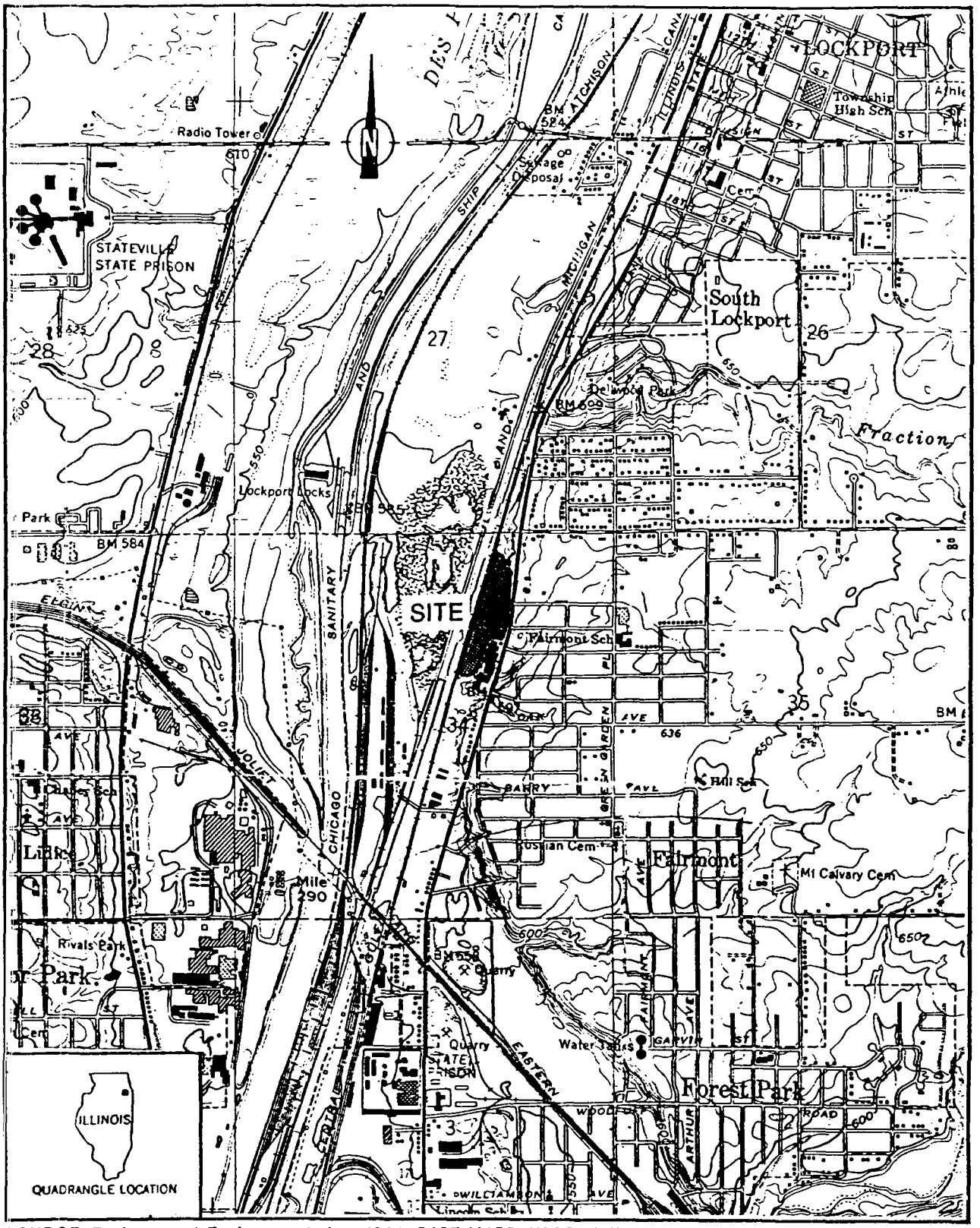
The Wasteland Landfill site is a closed landfill on an approximately 9.26-acre parcel of land located at 2805 Lockport Road (Route 171), approximately 3/4 miles south of Lockport, Illinois, and approximately 1 mile north of Forest Park, Illinois, in Will County (NE1/4 sec. 34, T.36N., R.10E.) (see Figure 2-1 for site location).

The Illinois Gulf Railroad and the Illinois and Michigan Canal run north-south along the site's western boundary. Further west, the Des Plaines River runs north-south, at a distance of approximately 1/2 mile west of the site. Land use in the area surrounding the site is mixed residential and industrial.

A 4-mile radius map of the Wasteland Landfill site is provided in Appendix A.

2.3 SITE HISTORY

FIT was unable to obtain complete information concerning current ownership of the Wasteland Landfill site. Wasteland, Inc., is an Illinois corporation, incorporated on July 16, 1980. Its registered agent is Edward Knive, of 2805 Lockport Road, Lockport, Illinois (State of Illinois 1981). A transfer of the site's original operating permit, dated October 20, 1980, lists Vernon Lamoreaux as the owner of the site (Haney 1982). From 1976 to 1980, the site was the location of an



SOURCE: Ecology and Environment, Inc. 1990; BASE MAPS: USGS, Joliet, IL Quadrangle, 7.5 Minute Series, 1962, photorevised 1973.

SCALE

0 ½ 1 MILE

FIGURE 2-1 SITE LOCATION

operation called the Lockport Landfill. The original operating permit (number 1976-13-OP) for the site's use as a landfill was issued by IEPA on June 25, 1976, to operator Bruce Kazlauskus and landowner Vernon Lamoreaux (Cavanaugh 1976). The permit provided for the disposal of bricks, concrete, pavement, glass, clay, tile, ceramics, cement, and other nonputrescible, noncombustible solid waste, excluding all flammable general refuse, all liquids and hazardous waste, unless authorized by a supplemental permit (State of Illinois 1981). A subsequent application, for a permit to develop a solid waste management operation at the site, states that the site was formerly an automobile junkyard (IEPA 1980).

The original operating permit was reissued on August 12, 1977, with Charles Schopf named as operator (Haney 1982). The permit was reissued to reflect a change in ownership (State of Illinois 1981). File information did not indicate the name of the owner during the period of 1977 to 1980.

Based on the site's history of permit and Chapter 7 violations of the Illinois Pollution Control Board (IPCB) Rules and Regulations, and on Kazlauskus's poor operation of the site, IEPA issued a closure order regarding the site on August 22, 1977 (Haney 1982). The violations were addressed in a 1978 complaint, EPA v. Bruce Kazlauskus, Vernon Lamoreaux, and Charles Schopf, IPCB 78-92. The complaint cited violations of the permit and Chapter 7 rules, specifically Rules 301, 302, 303, 304, 305, 310, and 314, regarding compaction and cover of waste and supervision and monitoring of operations, among other violations. However, the case resulting from the complaint was dismissed by IPCB on April 26, 1979, upon a motion by IEPA, because of the inability to serve process upon (i.e., to contact) Kazlauskus and Lamoreaux (Haney 1982).

The site remained temporarily closed until Roger Pemble began operations at the site under the name Wasteland, Incorporated, in June-July 1980. The site was operated for approximately four months without a permit. The original operating permit was transferred to Wasteland, Inc., on October 20, 1980, with Vernon Lamoreaux named as the landowner (Haney 1982).

Another complaint, IEPA v. Wasteland, Inc., and Vernon Lamoreaux, was filed by IEPA with IPCB in 1980. The complaint alleged that operators of the site had committed the following violations:

- o Accepted flammable material in violation of its permit;
- o Accepted refuse in violation of the volume limitations of its permit;
- o Failed to provide adequate cover;
- o Failed to have sufficient supervision and personnel on hand to effectively operate the site;
- o Disposed of refuse not allowed by its permit; and
- o Operated the site for a period of time without a permit (Haney 1982).

Several applications for supplemental permits were submitted in 1981. Applications submitted were for permits to accept wood and paper at the site; to increase daily volume of waste accepted at the site; to extend operating hours; and to revise storm water drainage requirements at the site. All applications were denied (Haney 1982).

In addition to the landfill operations, Roger Pemble (who was connected with Wasteland, Inc., and is believed to have been manager of day-to-day operations and supervision of the site [IEPA 1981b]) and Vernon Lamoreaux applied to IEPA for a permit to develop a solid waste recovery operation on a parcel of land immediately south of the landfill, to recycle paper products and possibly other materials. In a site inspection dated December 1, 1980, Pemble indicated that paper waste was being accepted at the site and that preparations were under way for the recycling operation (Stofferahn 1980). The application, dated December 10, 1980, was denied. On February 5, 1981, a large fire occurred at the location of the proposed recycling operation. Refuse from this fire was buried in the area of the proposed recycling

operation, in violation of the permit and Chapter 7 of the Environmental Protection Act (State of Illinois 1981).

In a memorandum reporting the circumstances of the on-site fire, the IEPA investigation noted the presence of drums, many of them full, which were labeled as containing triethyl phosphate or methylene chloride. Drums from Insta-Foam Products, Inc. (Insta-Foam), were also noted (Stofferahn 1981). Labels on these drums indicated their contents to be either a polymeric methylene diphenyl diisocynate, considered a hazardous waste, or polyol materials (Harlin 1979). In a subsequent 1981 site inspection, Insta-Foam drums were observed to have been placed on skids, and two drums were inverted, leaking a viscous substance onto the ground (IEPA 1981c).

Other IEPA investigations at the Wasteland Landfill site in 1981 indicated a number of violations, including leachate ponds and refuse in the railroad right-of-way west of the site. Operators were also cited for accepting nonpermitted refuse, such as wood, cardboard, paper, and garbage; and for using processed, shredded auto refuse, rather than clay, as a cover material at the site (Stofferahn 1981). Operators were also cited for constructing a building to house a baling operation despite the denial of their application permit for developing a paper recovery operation at the site. Reports of investigations in 1981 also noted a large number of flies on-site, as well as a rank garbage odor. (Stofferahn 1981b).

During another inspection, bales of paper refuse, intended for the recycling operation, were observed in ponded water at the site, and oil was observed on the ground near an old oil tank (IEPA 1981). Reports of lights on-site indicated that the site was operating at night (IEPA 1981a), also in violation of the permit. Another inspection report indicates that pressurized metal containers of Froth-Pak, containing polyamines and fluorocarbons; and shredded inked paper from American Paper Recycling, were found deposited at the site in 1981 (IEPA 1981d). During an October 1981 inspection of the site, steam or smoke was noted emanating from a hole in the cover material on the west slope, at the north end of the site (IEPA 1981e).

In 1982, IEPA continued its monitoring of the site, and conducted several investigations of the Wasteland Landfill site. In an investi-

gation on April 15, 1982, a sign from the county zoning board was observed on the door of an on-site trailer declaring the site a public nuisance. However, the site operations continued. At this time, leachate was found ponded in the railroad right-of-way and leachate-stained material remained on-site (Stofferahn 1981a). The inspection also noted the deposition and spreading of refuse material, and the use of red cinder material as a cover material (IEPA 1982). Following the inspection, a letter was sent from IEPA to Allied Paper Recycling, Inc., regarding violations of the operating facility at the Wasteland Landfill site in Lockport, Illinois (IEPA 1982a). In a subsequent inspection, several areas of exposed and unexposed refuse were observed on-site. Excessive flies were also observed in the fill area (IEPA 1982b). A later observation report cited operators for acceptance of a 55-gallon drum which was half full and contained a black crystalline material (IEPA 1982c).

IEPA investigations of the Wasteland Landfill site continued in 1983. During one investigation, a paper/soil/cinder mixture was observed covering a portion of the north end of the site, and paper refuse also covered a portion of this area of the site. In addition, there were many areas of ponded red or brown water (IEPA 1983).

A subsequent investigation in 1983 reported smoke emanating from the northwest corner of the site, and a small flame at the north end of the site. At this time, leachate was observed in a drainage ditch on-site. The drainage ditch enters a channel, which enters the Illinois and Michigan Canal south of the site (IEPA 1983a). Sampling was conducted at the site from areas where leachate was observed (IEPA 1983b). Results were not in files reviewed by FIT. A later report in 1983 indicated that a concrete sewer pipe had been installed that ran from the southwest portion of the business building northeast of the site, west to the center of the west slope of the landfill (IEPA 1983c).

Regarding the remedial measures and permit actions to be taken at the site, IPCB ordered that Wasteland, Inc., obtain a permit to allow remedial monitoring measures to gather information regarding whether the waste already deposited at the site could remain at the site without harm to the environment. IPCB also ordered site operators to obtain a

subsequent final closure permit, based on the information gathered during the term of the aforementioned monitoring permit. In their application for the closure permit, operators were requested to indicate the actions that they planned to take at the site in regard to the waste deposited there, to ensure protection of the environment. If they did not meet the conditions to obtain both permits, the site operators would then be obliged to remove the waste.

A letter was sent to Lawrence W. Eastep, Professional Engineering Manager at the Permit Section of the Division of Land Pollution Control, concerning Pemble's request for a closure permit for the Wasteland Landfill site, and IEPA's denial of that request (Braeckel 1983). An observation report from IEPA dated September 23, 1983, indicated that the site had been temporarily closed (IEPA 1983c).

In a 1984 IEPA investigation of the Wasteland Landfill site, samples were collected by IEPA from various locations on-site to determine the adequacy of a clay cover material (IEPA 1984). Records of sampling results were not included in files reviewed by FIT. Monitoring of operations at the landfill revealed the continued existence of large areas of exposed refuse throughout the site (Gruntman 1984).

IEPA investigation activity at the Wasteland Landfill site in 1985 indicated that there were still large quantities of weather-deteriorated wastepaper on-site. In the same investigation, seven leachate flows were observed on the western edge of the site, entering the drainage ditch located between the site and the railroad tracks west of the site (Gruntman 1985).

No regulatory actions are currently being taken by federal or state agencies at the Wasteland Landfill site.

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Wasteland Landfill site. Individual subsections address the reconnaissance inspection and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan, with the exception that the two residential well samples called for in the work plan were not collected. Residential well samples could not be obtained from appropriate locations.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Wasteland Landfill site is provided in Appendix B.

3.2 SITE REPRESENTATIVE INTERVIEW

FIT did not conduct a site representative interview for the SSI of the Wasteland Landfill site. FIT was unable to contact a site representative directly; as instructed by the Office of Regional Council (ORC) of U.S. EPA, FIT proceeded with site investigation activities.

In the course of attempts to identify a site representative, the following information was produced. FIT contacted Donald Gimble, legal counsel for ORC, U.S. EPA, on August 14, 1989. Gimble informed FIT that the property on which the site is located was being held in Trust 914 at the Bank of Lyons in Lyons, Illinois. Gimble then instructed FIT to contact the bank (Gimble 1989). On August 14, 1989, FIT contacted the Bank of Lyons and was told by Glenda Lipsey that Alex Loulousis was the trustee representative for Trust 914, and that

Loulousis was unable to contact FIT until August 15, 1989. Lipsey further informed FIT that, for legal reasons, the Bank of Lyons does not give out information regarding property ownership or trusteeship, but that it could relay information or correspondence to the owners, or relay to the owners a request that they contact FIT (Lipsey 1989; Lipsey 1989a).

On August 15, 1989, FIT again contacted the Bank of Lyons. Lipsey informed FIT that the Bank of Lyons had closed as the trustee of Trust 914, and that the trusteeship had been transferred back to the owner of the land (Lipsey 1989b).

In a letter dated August 15, 1989, FIT informed Loulousis of the date of the investigation of the Wasteland Landfill site, also requesting that the responsible party of the site be notified immediately. FIT's letter further stated that any information he could provide, as former holder of Trust 914, would be appreciated (Barrett 1989).

FIT contacted Loulousis by telephone on August 17, 1989. Loulousis informed FIT that, for legal reasons, he could not disclose any information, but that he would forward any correspondence to the appropriate personnel (Loulousis 1989).

FIT contacted ORC, U.S. EPA, and was instructed to proceed with site investigation activities at the Wasteland Landfill site.

3.3 RECONNAISSANCE INSPECTION

FIT conducted a reconnaissance inspection of the Wasteland Landfill site and surrounding area in accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection began at 9:00 a.m. and included a walk-through of the site to determine appropriate health and safety requirements for conducting on-site activities and to make observations to aid in characterizing the site. FIT also determined sampling locations during the reconnaissance inspection. FIT was not accompanied by site representatives during the reconnaissance inspection.

Reconnaissance Inspection Observations. The site is an irregularly shaped parcel of land situated between Lockport Road and the Illinois Central Gulf Railroad, both of which run north-south. Beyond the railroad is the Illinois and Michigan Canal, which also runs

north-south. Further west, the Des Plaines River runs north-south, at a distance of approximately 1/2 mile west of the site. The central portion of the eastern boundary is formed by Lockport Road (Route 171), and the entire western boundary is formed by the Illinois Central Gulf Railroad. Streets running east-west in the vicinity of the site terminate at Lockport Road and thus do not cross the site. The approximate northern boundary of the site is Bruce Road and the approximate southern boundary is Nobles Avenue (see Figure 3-1 for site features).

A business building is situated on a small parcel of land on Lockport Road bordering the site's northeast boundary, near the intersection of Lockport Road and Bruce Road. A large industrial building is situated on a parcel of land on Lockport Road bordering the site's southeast boundary. A residence is also located on this parcel of land, near the intersection of Lockport Road and Nobles Avenue. A wire fence runs along the southeast boundary of the site. There is an entrance gate to the site on the southeastern site boundary by the industrial building. The central portion of the east boundary is also fenced; however, the fence, which was made of plywood, was observed to be rotting and scarcely standing in some areas.

The site topography consists of a plateau which extends approximately 250 feet west of Lockport Road and then slopes sharply west, with a drop in elevation of approximately 50 feet. At the base of the slope is a drainage ditch that follows the site's western boundary with the railroad tracks. At the time of the SSI, FIT did not observe flow from this drainage ditch to the channel of the Illinois and Michigan Canal, previously observed in a 1983 IEPA investigation of the site.

The plateau area appears to have been the principal area of landfill activity at the site. The plateau was unevenly vegetated, with several bare patches, some of which were covered with red and/or black cinders, shredded metal and vinyl auto refuse, and roofing panels, as well as exposed patches of rotted paper. There are two gullies on-site, both of which lead downslope from the plateau to the ditch area. One of the gullies is in the northern portion of the site, immediately south of the business building. This gully was observed to be filled with refuse such as tires, old furniture, charred pieces of wood, and old 5-gallon

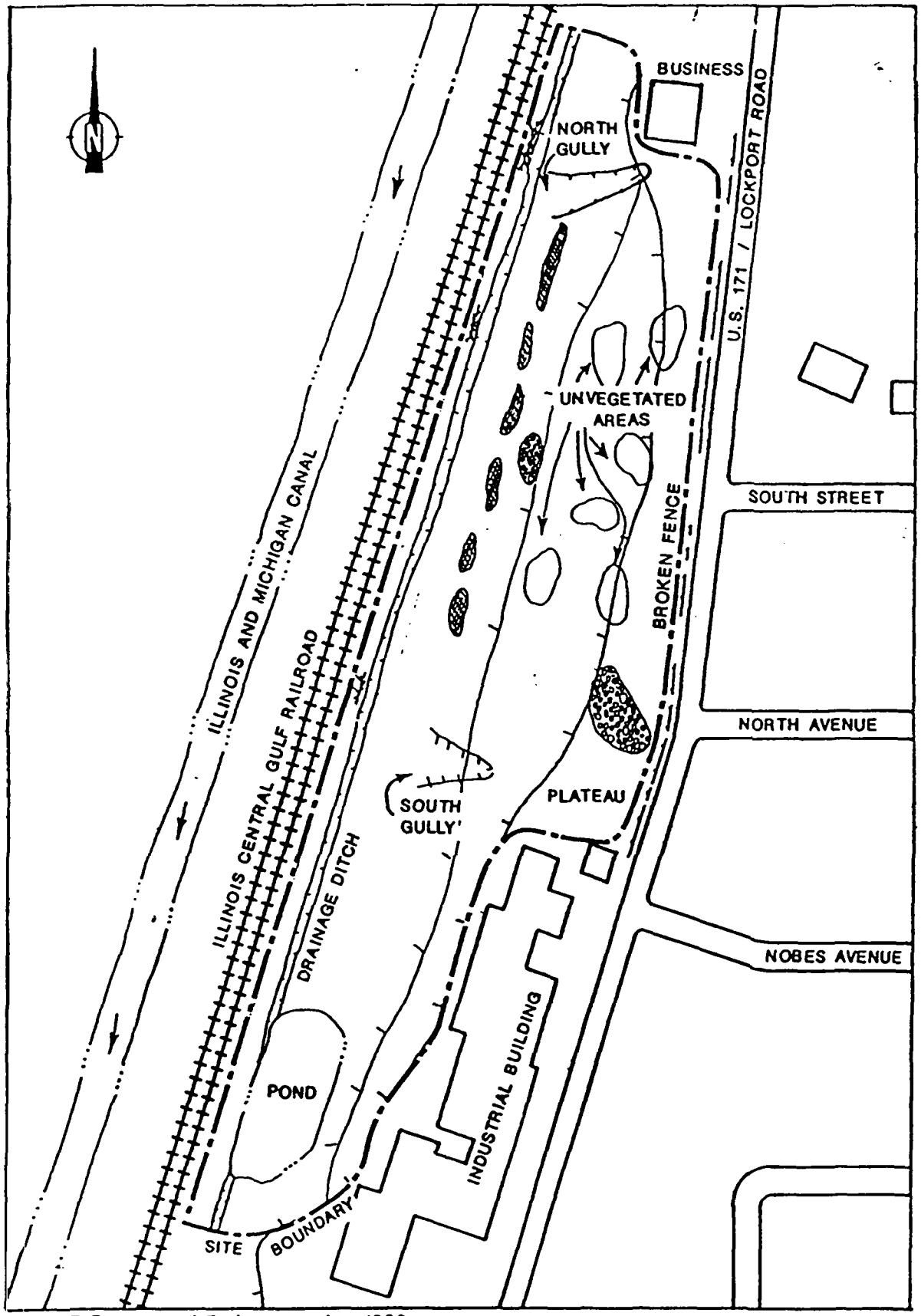


FIGURE 3-1 SITE FEATURES

metal cans. The second gully is near the central portion of the site and was observed to be filled with demolition material. Along the western slope between the two gullies, for a distance of approximately 600 feet, many areas of rotted paper were observed.

Leachate seeps were observed at intermittent locations on the slope and at the base of the slope. At the southwest corner of the site, at the base of the slope, is a drainage pond which is surrounded by vegetation. This drainage pond is in the portion of the site that is west of the off-site industrial building.

FIT's inspection of the Wasteland Landfill site was conducted in Level C protection using Saranex suits and Raycal respirators. At the time of the inspection, FIT observed one person walking around the plateau area and the slope of the site.

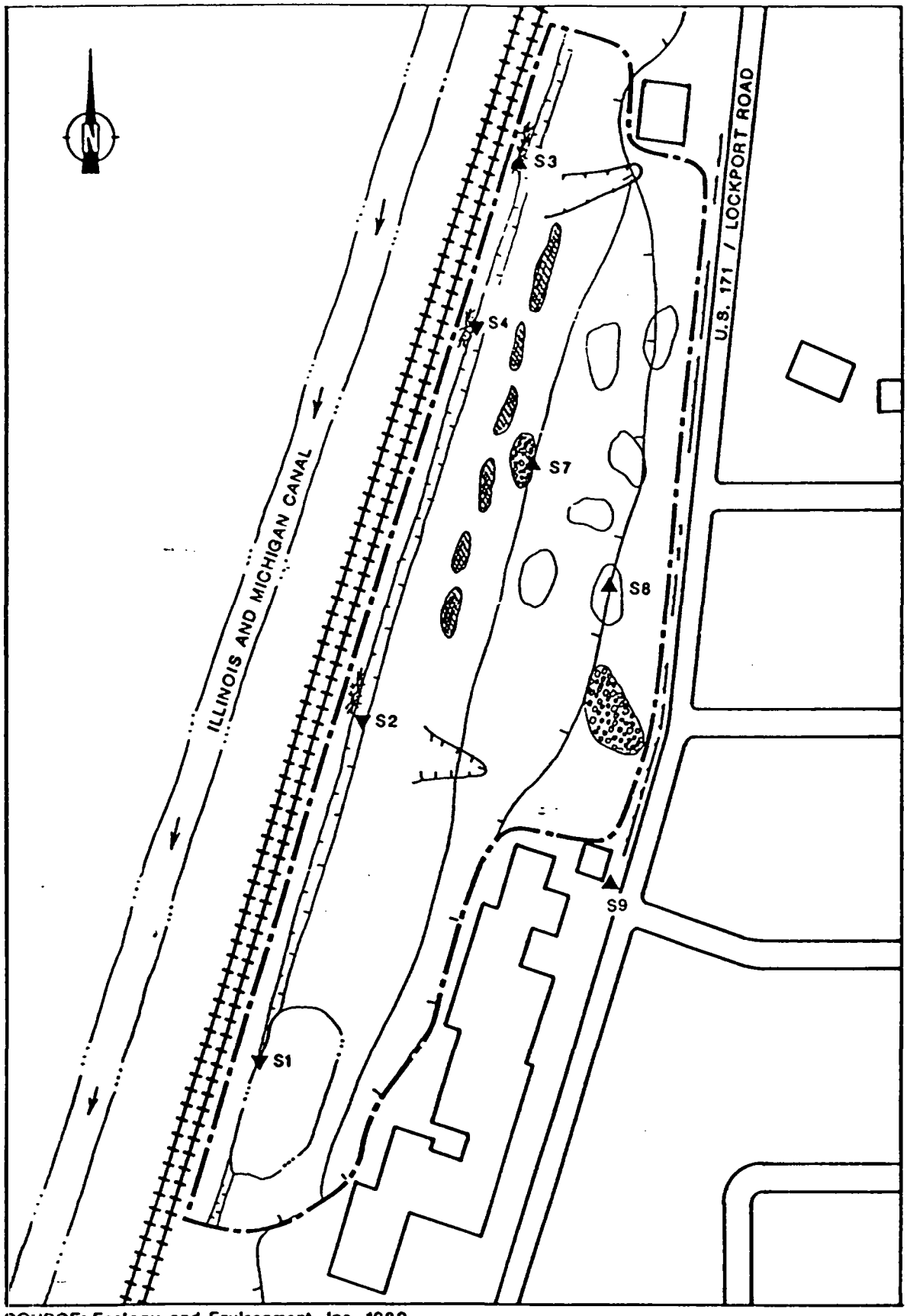
FIT team members also observed two small children disembarking from a school bus and entering the residence near the southeast boundary of the site. During part of the one-day screening site investigation, FIT activities were observed by three officials from U.S. EPA: Penny Hansen, Thomas Geischeker, and William Messenger.

3.4 SAMPLING PROCEDURES

Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds or Target Analyte List (TAL) analytes were present at the site. The TCL and TAL are included with corresponding quantitation/detection limits in Appendix D.

On August 30, 1989, FIT collected eight soil/sediment samples and one potential background soil sample. No offer was made to share portions of on-site samples collected because of the absence of a site representative at the time of the SSI.

Soil/Sediment Sampling Procedures. Soil/sediment samples S1 through S4 were collected on-site, from the ditch area at the base of the on-site slope. Sediment sample S1 was collected at the bank of the drainage pond at the southwest corner of the site, approximately 170 feet directly west of the industrial building (see Figure 3-2 for on-site soil/sediment sampling locations). This sampling location was chosen because FIT file information had indicated that leachate and



SOURCE: Ecology and Environment, Inc. 1989.

SCALE

0 200 400 600 800 1000 FEET

LEGEND

▲ SOIL ▼ SEDIMENT

FIGURE 3-2 ON-SITE SOIL/SEDIMENT SAMPLING LOCATIONS

refuse were found in this area during past inspections of the site. This sample was collected from a brown, sandy clay.

Sediment sample S2 was collected from the ditch which runs along the bottom of the slope, from a location directly west of the south gully. This sampling location was chosen because FIT file information had indicated unauthorized dumping in this area as well as an incident of fire in this portion of the site. This sample was collected from a brown, silty, sandy clay.

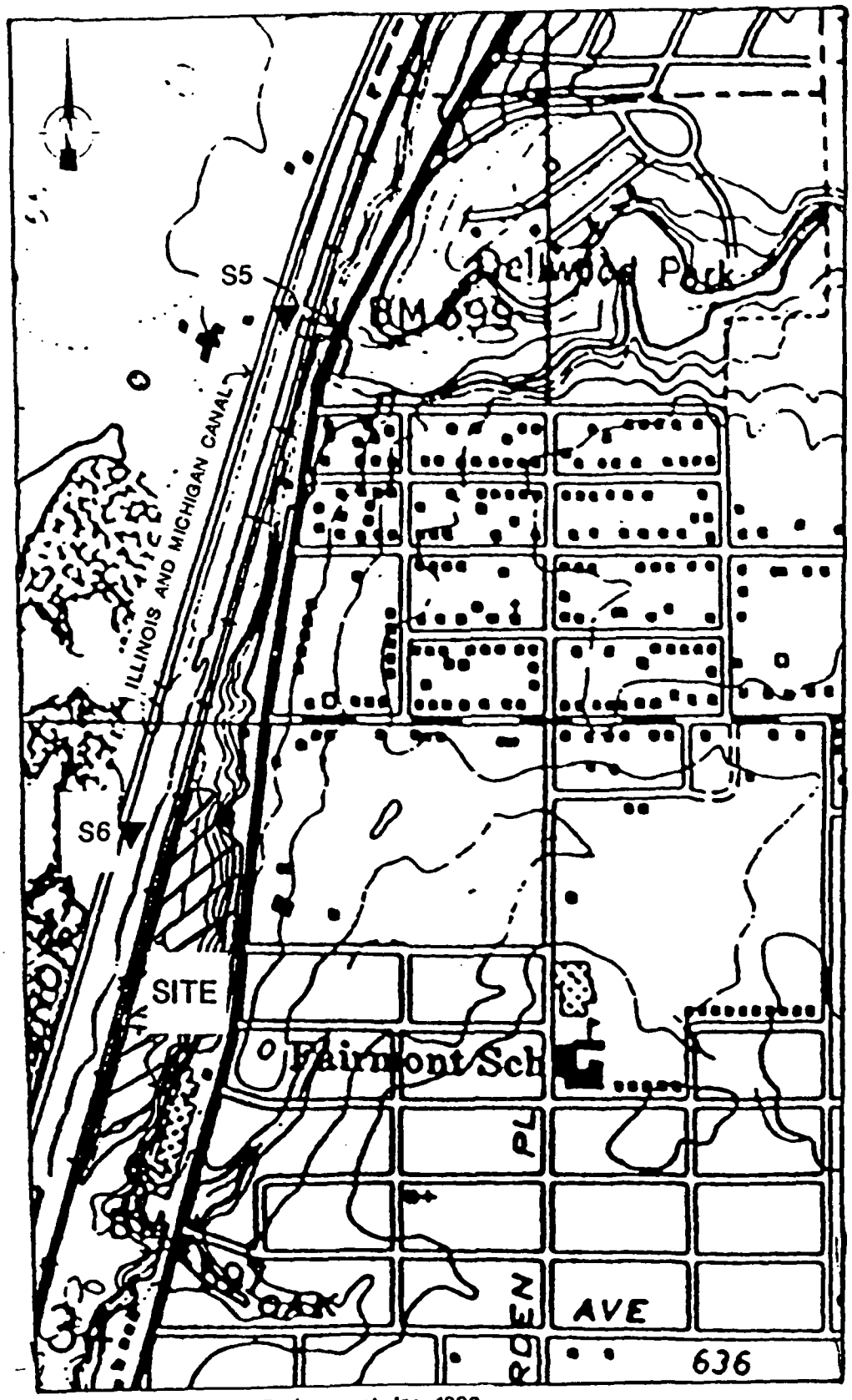
Soil sample S3 was collected from an area directly west of the north gully in the northern portion of the site. The sample was collected above the ditch at the base of the slope, and was collected from a light brown, silty clay. This sampling location was chosen because FIT files had indicated this area as the location of leachate patches and as the location where shredded auto refuse had been deposited.

Sediment sample S4 was collected near the ditch that runs along the base of the slope. This sampling location was chosen because leachate seeps were evident in this are. The sample was collected from a brown, silty clay.

Two sediment samples were collected from off-site locations. Both sediment samples were collected from the eastern bank of the Illinois and Michigan Canal. Sediment sample S5 was collected from the Illinois and Michigan Canal, west of Dellwood Park and approximately 250 feet from the Lockport Road bridge (see Figure 3-3 for off-site sediment sampling locations). This sampling location was upstream of the site and was chosen for the purpose of indicating background levels. The sample was collected from a brown sediment.

Sediment sample S6 was also collected from the Illinois and Michigan Canal. This sample was collected directly west of the north end of the Wasteland Landfill site, from a location approximately midway between the locations of on-site soil/sediment samples S3 and S4. This sampling location was chosen to determine whether any TCL compounds or TAL analytes from the Wasteland Landfill site were present in the sediment of the canal. The sample was collected from a brown sediment.

Soil samples S7 and S8 were collected on-site. Soil sample S7 was collected midway up the on-site slope, approximately 400 feet south of



SOURCE: Ecology and Environment, Inc. 1990.

FIGURE 3-3 OFF-SITE SEDIMENT SAMPLING LOCATIONS

the north gully and approximately 300 feet west of Lockport Road. The sampling location was chosen because of a leachate seep in that area of the site. The sample was collected from red-brown sandy clay. Soil sample S8 was collected in the central portion of the plateau area, approximately 200 feet west of Lockport Road, from a location where red cinders and shredded automobile parts were visible. This sample was collected from red, sandy, gravelly soil.

Soil sample S9 was collected off-site as a potential background soil sample. In order to determine the representative chemical content of the soil in the area surrounding the site, S9 was collected from the southeast corner of the front yard of the residence located on Lockport Road near the southeast boundary of the Wasteland Landfill site. The sample was collected from a brown soil.

Soil/sediment samples S1 through S9 were each collected at an approximate depth of 6 inches. All soil/sediment samples were collected with garden trowels, spoons, and stainless steel bowls. A hole approximately 6 inches deep was excavated with a trowel and the soil/sediment was placed into a stainless steel bowl, mixed, and transferred with spoons into sample bottles. Soil/sediment samples that were to be analyzed for volatile organic compounds (VOCs) were transferred, without mixing, directly into the appropriate sample bottles (E & E 1987).

Standard E & E decontamination procedures were adhered to during the collection of all soil/sediment samples. The procedures included the scrubbing of all equipment (e.g., stainless steel spoons, bowls and trowels) with a solution of detergent (Alconox) and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil/sediment samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil/sediment samples were analyzed using the U.S. EPA Contract Laboratory Program (CLP) for TCL compounds by Clayton Environmental Consultants of Novi, Michigan, and for TAL analytes by Enseco/Rocky Mountain Analytical of Arvada, Colorado.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

This section presents results of the chemical analysis of FIT-collected soil/sediment samples for TCL compounds and TAL analytes.

4.2 RESULTS OF CHEMICAL ANALYSIS OF FIT-COLLECTED SAMPLES

Soil/Sediment Samples. Chemical analysis of FIT-collected soil/sediment samples revealed substances from the following groups of TCL compounds and TAL analytes: halogenated hydrocarbons, aromatics, phthalates, polyaromatic hydrocarbons (PAHs), pesticides, polychlorinated biphenyls (PCBs), heavy metals, metals, common laboratory artifacts, and common soil constituents (see Table 4-1 for complete chemical analysis results of FIT-collected soil/sediment samples).

Quantitation/detection limits used in the analysis of soil/sediment samples are provided in Appendix D.

The analytical data for the chemical analysis of soil/sediment samples collected for this SSI have been reviewed by U.S. EPA and FIT for compliance with terms of the FIT contract, and the review has been approved by U.S. EPA. Any additions, deletions, or changes to the data have been incorporated in the chemical analysis results tables presented in this section.

Table 4-1
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED SOIL/SEDIMENT SAMPLES

Sample Collection Information and Parameters	Sample Number S1	S2	S3	S4	S5	S6	S7	S8	S9
Date	8/30/89	8/30/89	8/30/89	8/30/89	8/30/89	8/30/89	8/30/89	8/30/89	8/30/89
Time	1105	1115	1215	1230	1430	1500	1445	1500	1525
CLP Organic Traffic Report Number	EFT05	EFT06	EFT07	EFT08	EFT09	EFT10	EFT11	EFT12	EFT17
CLP Inorganic Traffic Report Number	MEFN21	MEFN22	MEFN23	MEFN24	MEFN25	MEFN25	MEFN26	MEFN27	MEFN28
Compound Detected (values in µg/kg)									
Volatile Organics									
methylene chloride	--	--	--	--	--	61B	--	--	--
chloroform	--	--	--	--	--	--	1J	--	--
toluene	--	--	3J	--	--	--	--	--	--
Semivolatile Organics									
naphthalene	--	--	200J	110J	--	150J	--	--	--
2-methylnaphthalene	--	120J	350J	120J	--	220J	--	--	98J
dibenzofuran	--	--	110J	--	--	--	--	--	--
fluorene	--	--	100J	--	--	--	--	--	--
phenanthrene	--	350J	1,300	1,000	440J	1,100	--	--	660J
anthracene	--	--	220J	210J	120J	200J	--	--	120J
di-n-butylphthalate	--	--	--	--	--	--	--	1,200J	--
fluoranthene	--	670J	1,700	1,300	1,700	1,300	--	--	1,100
pyrene	--	470J	1,600	1,300	1,100	1,900	--	1,000J	730J
butylbenzylphthalate	--	500J	--	610J	--	--	--	2,600J	--
benzo[a]anthracene	--	260J	690J	610J	560J	870J	--	--	420J
chrysene	--	360J	870J	680J	760J	1,100	--	--	590J
bis(2-ethylhexyl)phthalate	8,800	4,200	470J	4,800	230J	--	96J	190,000	200J
di-n-octylphthalate	--	300J	--	360J	--	--	--	5,500J	--
benzo[b]fluoranthene	--	320J	810J	530J	410J	1,200	--	--	490J
benzo[k]fluoranthene	--	360J	800J	540J	500J		--	--	600J
benzo[a]pyrene	--	260J	730J	530J	340J	1,000J	--	--	480J
indeno[1,2,3-cd]pyrene	--	240J	490J	360J	220J	740J	--	--	400J
benzo[g,h,i]perylene	--	230J	550J	450J	220J	1,000J	--	--	400J
Pesticides/PCBs									
delta BHC	--	--	--	--	150	--	--	--	--
Endosulfan sulfate	--	--	75	--	--	81	--	--	43
Aroclor 1248	--	310	--	420	--	--	--	850J	--
Aroclor 1254	--	720	--	710	--	--	--	1,800J	--
Analyte Detected (values in mg/kg)									
aluminum	16,100	10,300	11,700	13,400	3,810	11,900	8,950	10,600	9,460
antimony	--	--	--	--	--	--	--	8.9JNB	--
arsenic	13JN	9.8JN	7.6JN	4.2JN	4.7JN	7.6JN	6.8JN	10.6JN	7.7JN

Table 4-1 (Cont.)

Sample Collection Information and Parameters	Sample Number S1	S2	S3	S4	S5	S6	S7	S8	S9
barium	136	185	137	209	44.1B	137	121	326	101
beryllium	0.92B	0.85B	1.1B	1.1B	0.51JB	1.0B	0.58JB	1.7	0.62JB
cadmium	--	3.7	2.0	3.4	2.1	2.5	1.1B	5.4	1.6
calcium	12,900	85,600	57,200	68,100	134,000	28,900	56,900	17,100	38,300
chromium	38.4J*N	32.9J*N	31.8J*N	27.1J*N	21.3J*N	48J*N	17J*N	33.4J*N	53.8J*N
cobalt	11.4B	11B	10.5B	14.7	6.3B	10.3B	9.9B	10.3B	10.8B
copper	34.2	183	40.3	110	18.4	105	40.6	251	38.7
iron	34,700	40,600	23,800	35,200	15,100	23,600	74,600	62,500	22,000
lead	25.8	229	95.5	187	30.2	236	40.5	776	142
magnesium	8,940	38,500	33,100	39,700	80,400	17,400	35,200	7,670	23,600
manganese	653	1,000	607	908	418	329	414	3,860	714
mercury	--	0.3	0.3	0.4	0.5	1.5	--	0.8	0.1
nickel	32.4J*	38.7J*	46.8J*	57.1J*	16.4J*	34.3J*	28.6J*	99.2J*	91.6J*
potassium	1,240B	1,810	1,730	3,100	796B	1,770	2,000	847B	1,840
selenium	--	0.35WJB	--	--	--	0.39JWB	--	--	--
silver	--	--	--	1.2JNB	--	--	--	--	--
sodium	--	--	--	1,700	--	--	--	--	--
vanadium	37	27.8	28.2	34.7	14B	25.3	26.1	40.5	25.3
zinc	68.9	633	165	741	57.6	349	122	2,840	127

-- Not detected.

Table 4-1 (Cont.)

COMPOUND QUALIFIERS	DEFINITION	INTERPRETATION
J	Indicates an estimated value.	Compound value may be semiquantitative.
B	This flag is used when the compound is found in the associated blank as well as in the sample. It indicates possible/ probable blank contamination and warns the data user to take appropriate action.	Compound value may be semiquantitative if it is <5x the blank concentration (<10x the blank concentrations for common laboratory artifacts: phthalates, methylene chloride, acetone, toluene, 2-butanone).

ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
N	Spike recoveries outside QC protocols, which indicates a possible matrix problem. Data may be biased high or low. See spike results and laboratory narrative.	Value may be quantitative or semi-quantitative.
*	Duplicate value outside QC protocols which indicates a possible matrix problem.	Value may be quantitative or semiquantitative.
B	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.
W	Post-digestion spike for furnace AA analysis is out of control limits (35-115%), while sample absorbance is <50% of spike absorbance.	Value may be semiquantitative.

Source: Ecology and Environment, Inc. 1990.

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Wasteland Landfill site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

5.2 GROUNDWATER

FIT did not collect groundwater samples during the SSI of the Wasteland Landfill site.

However, a potential exists for TCL compounds and TAL analytes to migrate from the site to underlying groundwater, based upon the following information.

- TCL compounds and TAL analytes were detected in soil/ sediment samples collected on-site.

- Some compounds detected significantly above background levels include phenanthrene, di-n-butylpthalate, butylbenzylphthalate, di-n-octylphthalate, delta BHC, Aroclor 1248, and Aroclor 1254.

- The landfill is not lined.

The potential for migration of TCL compounds and TAL analytes from the site to groundwater in the area of the site is also based on the following geological information. In Will County, the surficial glacial drift deposits vary in thickness from less than 1 foot along the Des Plaines and Kankakee Rivers where bedrock is intermittently exposed, to greater than 200 feet near the northeast border of the county. Northeast of the city of Joliet a preglacial bedrock valley contains thick deposits of sand and gravel beneath the glacial deposits throughout most of the county. Silurian dolomite occurs as the bedrock surface and is part of the geohydrologic system present throughout northeastern Illinois (Sanderson and Woller 1983). The Silurian dolomite is underlain by the Ordovician age Maquoketa Group, which consists primarily of non-waterbearing shales that separate the Silurian aquifer from deeper water-bearing units. The Maquoketa Group ranges in thickness from less than 100 feet to above 250 feet and lies at depths of approximately 50 feet to more than 500 feet. Generally, the Maquoketa Group is not relied upon as a source of large water supplies. However, water obtained from this unit is derived from cracks and crevices in the more dolomitic part of these rocks (Sanderson and Woller 1983).

Immediately underlying the Maquoketa Group is a thick sequence of hydrologically connected rocks that are referred to as the Cambrian-Ordovician aquifer system. In descending order, this aquifer system consists of the Galena and Platteville dolomite groups, Glenwood-St. Peter sandstone, the Prairie du Chien Group, Eminence-Potosi dolomite, the Franconia Formation, and Ironton-Galesville sandstone.

Water from the Galena-Platteville dolomite is obtained from fractures within this unit. Underlying the Galena-Platteville dolomite is the Glenwood-St. Peter sandstone. This dolomite and sandstone formation produces approximately 15% of the total potential yield from the Cambrian-Ordovician aquifer system (Sanderson and Woller 1983).

Beneath the Glenwood-St. Peter sandstone formation lies the Prairie du Chien Group (Ordovician), Eminence-Potosi dolomite (Cambrian), and the Francionia Formation (Cambrian). The Franconia Formation consists of interbedded sandstones, shales, and dolomites. These three formations produce approximately 35% of the total yield from the

Cambrian-Ordovician aquifer system. Underlying these formations in the sequence is the Ironton-Galesville sandstone (Cambrian), which produces approximately 50% of the total yield of the Cambrian-Ordovician aquifer system (sanderson and Woller 1983).

Beneath the Ironton-Galesville sandstone is the Eau Claire Formation and the Mt. Simon sandstone formation. The upper and middle units of the Eau Claire Formation contain many beds of non-water-yieding shale that separate the Cambrian-Ordovician aquifer from the Elmhurst sandstone member, the deeper Cambrian aquifer.

The Elmhurst sandstone and Mt. Simon sandstone members are hydrogeologically connected and form the deepest fresh water aquifer in northern Illinois (Sanderson and Woller 1983). The aquifer of concern in the area of the site is the Silurian dolomite underlying the glacial deposits. However, the Maquoketa and the Cambrian-Ordovician aquifers are also potentially affected because the shale layers in the Maquoketa are pervious, thereby allowing possible seepage of potentially contaminated groundwater from the Silurian dolomite to water contained in the Maquoketa cracks or crevices, from which it would migrate to the underlying Cambrian-Ordovician aquifer. Because the cities and towns of the area use water from either the Silurian dolomite, the Maquoketa Group, or the Cambrian-Ordovician aquifer, and the water is blended before distribution, all three water-bearing units are considered to be at a potential risk of groundwater contamination (Sanderson and Woller 1983). The city of Lockport uses three wells: #2, #4, and #5. Wells #2 and #4 are finished in the Cambrian-Ordovician aquifer at approximately 1,555 feet and 1,572 feet, respectively. Well #5 is finished in the Silurian dolomite at an approximate depth of 330 feet. The wells serve approximately 33,000 people and pump approximately 1 million gallons a day (McCluskey 1988).

The Ingalls Park subdivision southeast of the site uses two wells, #1 and #2. Well #1 is open to the Silurian dolomite, the Maquoketa Group, and the Galena-Platteville dolomite, and is finished at a depth of approximately 640 feet. Well #2 is open to the Silurian dolomite and is finished at an approximate depth of 305 feet (Sanderson and Woller 1983).

The Joliet water supply consists of approximately 14 wells, 5 of which are finished in the surficial deposits. A total of 9 wells are located within a 3-mile radius of the site. These 9 wells are all open to the Cambrian-Ordovician aquifer.

The city of Crest Hill, west-southwest of the site, has four wells in use, wells #1, #3, #4, and #6. Wells #1 and #3 are open to the Silurian dolomite, while wells #4 and #6 are open to the Silurian dolomite and the Maquoketa Group (Sanderson and Woller 1983).

The population within a 3-mile radius of the site potentially affected by a release of TCL compounds and TAL analytes to the groundwater is approximately 80,000 persons. This estimate was obtained through planimeter calculations using United States Geological Survey (USGS) topographic maps of the area of the site (USGS 1962, 1962a, 1963) and 1980 U.S. Census figures (U.S. Bureau of the Census 1982). Planimeter readings were used to calculate the portion of the population within the village limits of Lockport, as well as the portions of the populations of South Lockport, Ingalls Park, Forest Park, Fairmont, Ridgewood, Joliet, the Joliet subdivisions of Crest Hill and Raynor Park, and the Stateville Prison, which fall within a 3-mile radius of the site.

5.3 SURFACE WATER

No surface water samples were collected during the SSI of the Wasteland Landfill site.

Two surface water bodies, the Illinois and Michigan Canal and the Des Plaines River, flow along the western boundary of the site. Sediment samples S5 and S6 were collected along the east bank of the Illinois and Michigan Canal. Sediment sample S5 was an upgradient sediment sample which was collected as a background sediment sample. Sediment sample S6 was collected directly west of the northern boundary of the Wasteland Landfill site.

TCL compounds and TAL analytes were detected in both samples S5 and S6. However, the TCL compounds and TAL analytes detected in sediment sample S6 cannot be conclusively attributed to the site because the concentrations of compounds and analytes detected in sediment collected

from the location west of the site (S6) were similar to those detected in the background sample collected upstream of the site (S5).

However, a potential exists for substances detected in on-site soil samples to migrate off-site to the Illinois and Michigan Canal via the ditch which was previously observed flowing into the channel of the Illinois and Michigan Canal (IEPA 1983a), which flows into the Des Plaines River approximately 1 3/4 miles south of the site. The Des Plaines River is located approximately 1/2 mile west of the site and is used for recreation.

According to the Federal Emergency Management Agency, the site lies in the 100-year floodplain of the Des Plaines River. The Illinois and Michigan Canal is approximately 200 feet west of the western boundary of the site and in the event of flooding, TCL compounds and/or TAL analytes detected in on-site soil/sediment samples could potentially be transported off-site into surrounding areas via floodwaters of the Illinois and Michigan Canal or the Des Plaines River.

5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Wasteland Landfill site. During the reconnaissance inspection, a FIT site-entry instrument, the organic vapor analyzer OVA 128, detected levels above background concentrations at the site. Further investigation revealed the vapors detected to be methane. Additional investigation by FIT, using a combination explosimeter-oxygen meter, radiation monitor, and a hydrogen cyanide detector (E & E 1987), did not detect levels above background concentrations at the site. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

A potential does exist for TCL compounds and TAL analytes to migrate from the site via windblown particulates. This potential is based on the following information.

- TCL compounds and TAL analytes were detected in on-site surface soil/sediment samples.

- The landfill is not capped, and several patches of unvegetated land were visible on the landfill surface.

The population within a 4-mile radius of the site potentially affected by a release of TCL compounds and TAL analytes to the air is approximately 100,000 persons. This estimate was obtained using USGS topographic maps (USGS 1962, 1962a, 1963) of the area of the site. Planimeter readings were used to calculate the portion of the population within the village limits of Lockport, as well as the remaining areas which fall within a 3-mile radius of the site, as described in Subsection 5.2.

5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, documentation exists of an incident of fire at the site on February 5, 1981 (Stofferahn 1981). According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI.

The population within a 2-mile radius of the site potentially affected by a fire or explosion is 45,000 persons. This estimate was obtained using USGS topographic maps (USGS 1962, 1962a, 1963) of the area of the site. Planimeter readings were used to calculate the portion of the population within the village limits of Lockport as well as the remaining area which falls within a 2-mile radius of the site.

5.6 DIRECT CONTACT

According to federal, state, and local file information reviewed by FIT, and observations made during the SSI, no incidents of direct contact with TCL compounds or TAL analytes at the Wasteland Landfill site have been documented.

However, because the fence along the site's east-central border is in poor condition, the site is potentially easily accessible. In addition, the site is located adjacent to Lockport Road, a four-lane highway, making it highly noticeable and prominent to passersby.

During the SSI, FIT observed a man on-site at the Wasteland Landfill. FIT also observed two small children disembarking from a

school bus and then entering the residence located near the southeast boundary of the site.

A potential exists for the public to come into direct contact with TAL analytes and TCL compounds detected at the site. The potential for direct contact is based on the following information.

- TAL analytes and TCL compounds were detected in on-site soil/sediment samples.

- The site is easily accessible.

The population within a 1-mile radius of the site potentially affected through direct contact with TCL compounds and TAL analytes at the site is approximately 5,000 persons. This estimate was obtained by using USGS topographic maps (USGS 1962, 1962a, 1963) of the area of the site. Planimeter readings were used to calculate the portion of the population within the village limits of Lockport, as well as the remaining area within the city limits of Joliet that falls within a 1-mile radius of the site.

6. REFERENCES

Barrett, Deborah, August 15, 1989, E & E, letter, to Alex Loulousis, trustee representative, Trust 914, Bank of Lyons, regarding SSI of the Wastelend Landfill site.

Braeckel, Gerhardt, August 5, 1983, State of Illinois, Office of the Attorney General, letter, to Lawrence W. Eastep, Professional Engineering Manager, Permit Section, Division of Land Pollution Control.

Cavanagh, Thomas E., June 25, 1976, Manager, Land Permit Unit, letter, to Bruce W. Kazlauskus, operator, Lockport Landfill.

E & E, 1987, Quality Assurance Project Plan Region V FIT Conducted Site Inspections, Chicago, Illinois.

Gimble, Donald, August 14, 1989, District Counsel, IEPA, contacted by Deborah Barrett of E & E.

Gruntman, Charles, May 14, 1984, IEPA, memorandum, to Division File.

_____, February 27, 1985, IEPA, memorandum, to Division File.

Haney, Mark, March 29, 1982, IEPA, memorandum, to Bob Kuykendall.

Harlin, James, September 13, 1979, Director of Manufacturing, Insta-Foam, Joliet, Illinois, letter, to Dave Sherman, S. E. T. Liquid Waste, Villa Park, Illinois.

IEPA, December 10, 1980, application for permit to develop a solid waste management site, submitted by Roger Pemble.

_____, August 17, 1981, Inspection Report, Site Inventory No. 19705015, inspected by J.A.S.

_____, September 9, 1981a, Inspection Report, Site Inventory No. 19705015, inspected by J.A.S.

_____, September 15, 1981b, Inspection Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, September 22, 1981c, Inspection Report, Site Inventory No. 19705015, inspected by J.A.S.

_____, October 7, 1981d, Inspection Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, October 21, 1981e, Inspection Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, April 15, 1982, Inspection Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, May 21, 1982a, Kenneth P. Bechely, Northern Region Manager, Field Operations Section, Division of Land Pollution Control, letter, to Allied Paper Recycling.

_____, May 25, 1982b, Site Inspection Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, July, 21, 1982c, Observation Report, Site Inventory No. 19705002, inspected by K.M.P.

_____, February 15, 1983, Observation Report, Site Inventory No. 19705015, inspected by C.J.G.

_____, February 15, 1983a, Observation Report, Site Inventory No. 19705002, inspected by C.J.G.

_____, April 19, 1983b, Observation Report, Site Inventory No. 19705002, inspected by J.A.S.

_____, September 23, 1983c, Observation Report, Site Inventory No. 19705002, inspected by C.J.G.

_____, March 15, 1984, Observation Report, Site Inventory No. 19705002, inspected by C.J.G.

Lipsey, Glenda, August 14, 1989, Bank of Lyons, contacted by Deborah Barret of E & E.

_____, August 14, 1989a, Bank of Lyons, contacted by Deborah Barrett of E & E.

_____, August 15, 1989b, Bank of Lyons, contacted by Marilou Martin of E & E.

Loulousis, Alex, August 17, 1989, telephone conversation, contacted by Deborah Barrett of E & E.

McCluskey, Gordon, January 7, 1988, Superintendent, Lockport Water Department, Lockport, Illinois, telephone conversation, contacted by Cynthia Pugh of E & E.

Sanderson, Ellis W., and Dorothy M. Woller, 1983, Public Groundwater Supplies in Will County.

State of Illinois, Office of the Attorney General, March 18, 1981, Draft Complaint, EPA v. Wasteland, Inc., an Illinois Corporation, and Vernon Lamoreaux.

Stofferahn, Jeff, December 1, 1980, IEPA, Division of Land Pollution Control, Will County, inspection, interoffice correspondence, Memorandum to File #19705002.

Stofferahn, Jeff, February 18, 1981, IEPA, Division of Land Pollution Control, Will County, Memorandum to File #19705002, regarding Lockport/Lockport Landfill.

Stofferahn, Jeff, June 26, 1981a, IEPA, Division of Land Pollution Control, Memorandum to File #19705002.

Stofferahn, Jeff, August 14, 1981b, IEPA, memorandum, to Division of Land Pollution Control.

U.S. Bureau of the Census, 1982, 1980 Census of Population, Characteristics of the Population, General Population Characteristics, Illinois, Washington, D.C.

U.S. EPA, May 23, 1984, Potential Hazardous Waste Site Preliminary Assessment for Wasteland Landfill, prepared by Charles Gruntman of IEPA.

U.S. EPA, February 12, 1988, Office of Solid Waste and Emergency Response, Pre-Remedial Strategy for Implementing SARA, Directive number 9345.2-01, Washington, D.C.

USGS, 1962, Joliet, photorevised 1973, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

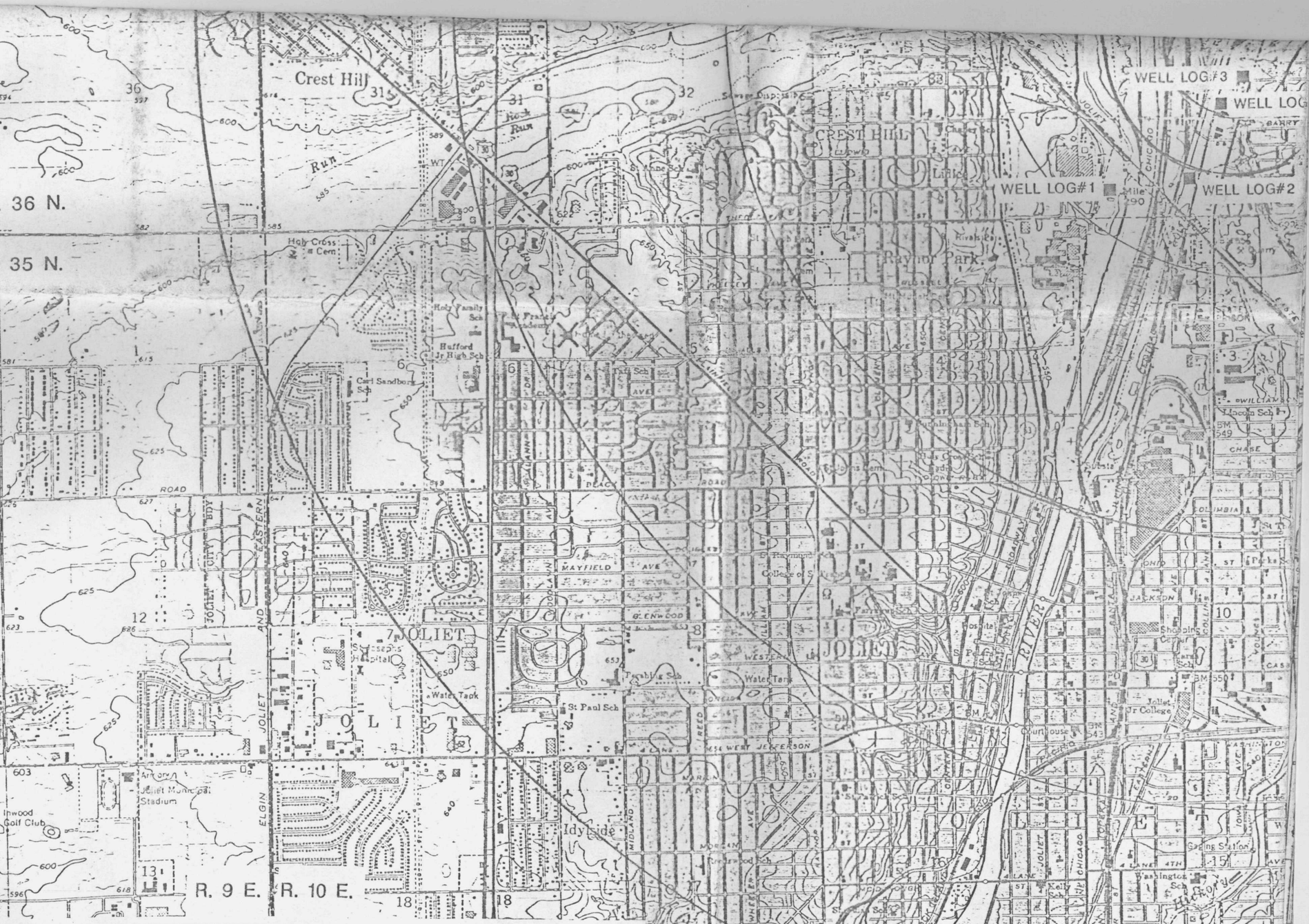
_____, 1962a, Plainfield, photorevised 1973, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

_____, 1963, Mokena, photorevised 1973, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

4910:8

APPENDIX A

SITE 4-MILE RADIUS MAP



ecology and environment inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604
International Specialists in the Environment

SITE NAME: WASTELAND LANDFILL
U.S. EPA ID#: ILD980902258

USGS TOPOGRAPHIC MAPS

NAME: PLAINFIELD DATE: 1962 REVISED: 1973	NAME: JOLIET DATE: 1962 REVISED: 1973	NAME: MOKENA DATE: 1963 REVISED: 1973
NAME: DATE: REVISED:	NAME: DATE: REVISED:	NAME: DATE: REVISED:

SCALE
0 1/2 1 MILE

CONTOUR INTERVAL
10 FT

QUADRANGLE LOCATION
ILLINOIS

1/2-MILE RADIUS

T. 36 N.

T. 35 N.

R. 10 E.

R. 11 E.

Fairmont

Mt Calvary Cem

Forest Park

Creek

Spring

STREET

ROAD

Drive-in Theater

RIDGEWOOD

East Joliet

MT OLIVET CEMETERY

Creek

CHICAGO

ROCK ISLAND

PACIFIC

CENTRAL

PENN

INGALLS PARK

Cherry Hill

(BM 682)

Gougars

Providence High Sch

Providence High Sch

Gravel Pits

New Lenox

CORP

NEW LENOX CORPORATE BDY

HIGINBOTHAM WOODS

WOODS

JOLIET

Beach

ELMHURST CEMETERY

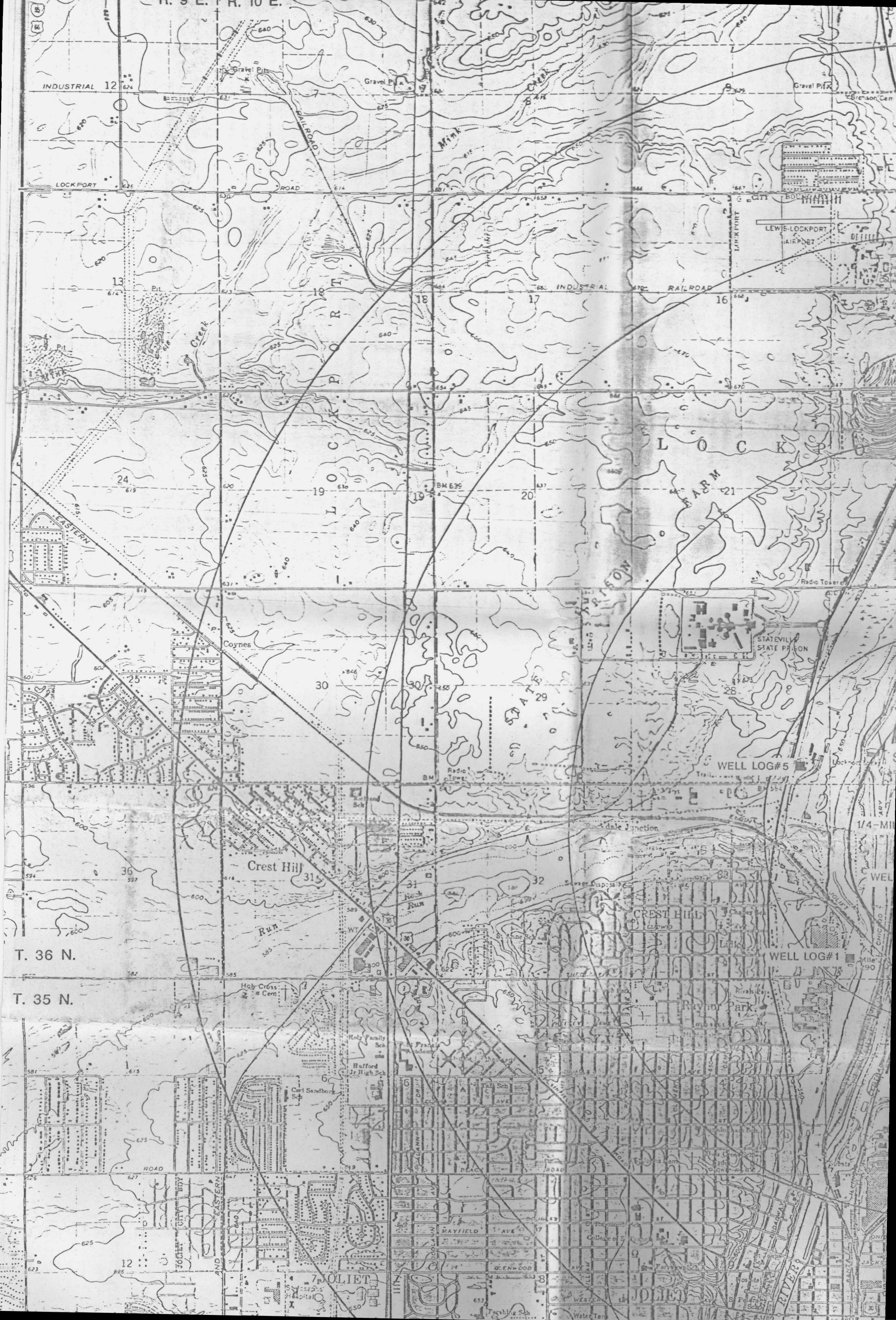
OAKVIEW

HARBARD

Thompson Sch

Golf Course

Gear Landing Field


R. 9 E. | R. 10 E.
INDUSTRIAL
LOCKPORT
ROAD
RAILROAD
Gravel Pits
Gravel Pit
Mink Creek
Creek
Pit
Brisson Cem
CITY BOUNDARY
LEWIS-LOCKPORT AIRPORT
LOCKPORT
INDUSTRIAL RAILROAD
EASTERN
L O C K P O R T
STATE PRISON FARM
Radio Tower
STATEVILLE STATE PRISON
Coynes
WELL LOG#5
Trailer
Rockdale Junction
1/4-MI
WEL
Crest Hill
Rock Run
Run
Sewage Disposal
CREST HILL
St. Anne Sch
WELL LOG#1
T. 36 N.
T. 35 N.
Holy Cross Cem
Raynor Park
Holy Family Sch
St. Francis Academy
Hufford Jr High Sch
Carl Sandburg Sch
ROAD
JOLIET CITY BDY
AND EASTERN
MAYFIELD AVE
GLENWOOD
College of St. Francis
St. Raymond Sch
JOLIET
St. Josephs Hospital
WESTERN
Water Tank
RIVER
ROADWAY
CHICAGO
JOLIET

R. 10 E. R. 11 E.

WELL LOG#6

WELL LOG#7

1-MILE RADIUS

2-MILE RADIUS

3-MILE RADIUS

4—MILE RADIUS

1/2-MILE RADIUS

T. 36 N.

T. 35 N.

Lockport

South Lockport

Fairmont

Forest Park

RIDGEWOOD

East Joliet

HIGINBOTHAM WOODS

MT. OLIVET CEMETERY

Mt Calvary Cem

Drive-in Theater

CITY BOUNDARY

PIPELINES

Creek

Run

Fraction

CHICAGO ROCK ISLAND AND PACIFIC

APPENDIX B

U.S. EPA FORM 2070-13

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902258

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Wasteland Landfill	2805 Lockport				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Lockport	IL	60441	Will	197	4

09 COORDINATES: LATITUDE 41°34'15.0" | LONGITUDE 088°04'45.0"

10 TYPE OF OWNERSHIP (Check one): ■ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
8 / 30 / 89 (MONTH DAY YEAR)	☐ ACTIVE ■ INACTIVE	1976 (BEGINNING YEAR) 1983 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply):
☐ A. EPA ■ B. EPA CONTRACTOR Ecology & Environment, Inc (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Deborah Barrett	Geologist	Ecology & Environment, Inc	(312) 663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
Ronnie Galmore / Marilou Martin	Technician / Environmental Scientist	Ecology & Environment, Inc	(312) 663-9415
Bill Perpich / Mike Phillips	Water Resource Manager / Geologist	Ecology & Environment, Inc	(312) 663-9415
Dan Sullivan / Kurt Sims	Chemical Engineer / Earth Scientist	Ecology & Environment, Inc	(312) 663-9415
Karen Spangler	Environmental Engineer	Ecology & Environment, Inc	(312) 663-9415
Jerry Oskvarek	Geologist	Ecology & Environment, Inc.	(312) 663-9415

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
None	N/A	N/A	(N/A)
			( )

U.S. EPA OFFICIALS ON-SITE

PENNY HANSEN	CHIEF, SITE ASSESSMENT BRANCH	OS-230 Washington, D.C. 20460	(703) 382-5632
THOMAS GEISHEKER	CHIEF, PROGRAM SUPPORT SECTION	230 S. Dearborn Chicago, IL 60604	(312) 353-1057
WILLIAM MESSENGER	CHIEF OF PREREMEDIAL UNIT IN WASTE MGT.	230 S. Dearborn Chicago, IL 60604	(312) 886-6336

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	0800	Sunny; ~80°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Thomas Crause	Illinois Environmental Protection Agency	(217) 782-9848

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Deborah Barrett	E&E INC.	U.S. EPA/FIT	(312) 663-9415	1 / 7 / 90 (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980982258

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ■ A SOLID
- ☐ B POWDER, FINES
- ■ C SLUDGE
- ☐ D OTHER _____ (Specify)
- ☐ E SLURRY
- ☐ F LIQUID
- ☐ G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS unknown

CUBIC YARDS _____

NO OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ■ A TOXIC
- ☐ B CORROSIVE
- ☐ C RADIOACTIVE
- ■ D PERSISTENT
- ☐ E SOLUBLE
- ☐ F INFECTIOUS
- ☐ G FLAMMABLE
- ☐ H IGNITABLE
- ☐ I HIGHLY VOLATILE
- ☐ J EXPLOSIVE
- ☐ K REACTIVE
- ☐ L INCOMPATIBLE
- ☐ M NOT APPLICABLE

III. WASTE TYPE unknown

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			See Section 2.3, Site History
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SEE TABLE 4-1 in SECTION 4 OF SSIR					

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, INC./FIT REGION V FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D980902258

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: ~80,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5.2 of SSIR, Groundwater.

01 ■ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: ~8,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5.3 OF SSIR, SURFACE WATER.

01 ■ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: ~100,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5.4 OF SSIR, AIR.

01 ■ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: ~45,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5.5 OF SSIR, FIRE/EXPLOSION.

01 ■ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: ~5,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5.6 of SSIR, DIRECT CONTACT.

01 ■ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 9.23 (Acres)
02 ■ OBSERVED (DATE: 8/30/89) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

TCL COMPOUNDS AND TAL ANALYTES WERE DETECTED IN ON-SITE SOIL SAMPLES. See Section 4.1 for Results of chemical analysis of FIT collected samples.

01 ■ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 100,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

See section 5.2 of SSIR narrative.

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

See section 2.3 of SSIR, Site History.

01 ■ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: 100,000
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

See section 5.6 of SSIR, DIRECT CONTACT.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D980902258

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ■ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
A potential exists due to the presence of TCL compounds and TAL analytes detected in on-site soil samples.

01 ■ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
SEE "J" Above

01 ■ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
SEE "J" Above

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids/Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
See section 2.3 of SSIR, Site History.

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
See section 2.3 of SSIR, Site History.

01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE WERE OBSERVED.

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
See section 2.3, "SITE HISTORY" PORTION OF SCREENING SITE INSPECTION REPORT.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
See Section 2.3, "SITE HISTORY" OF SSIR.

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~100,000

IV. COMMENTS
None

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)
E+E, INC. FIT (REGION V) FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D980902258

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
■ G. STATE (Specify)	1976-13-OP	6/25/76		
☐ H. LOCAL (Specify)				
■ I. OTHER (Specify) IL REG #	20226			
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
■ F. LANDFILL	Unknown	unknown
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify) N/A

05 OTHER
- ☐ A. BUILDINGS ON SITE
NONE

06 AREA OF SITE
~9.23 (Acres)

07 COMMENTS
NONE

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE, SECURE ☐ B. MODERATE ■ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.
See section 2.3 site HISTORY of SSIR.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO
02 COMMENTS The Wasteland landfill site is easily accessible because there is not a continuous standing fence around the site. See section 5.6 Direct Contact of SSIR.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E & E, INC. FIT(REGION II) FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D980902258

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☐	B. ■
NON-COMMUNITY	C. ☐	D. ■

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ■
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE
A. ~ 1/4 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ■ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER ~100,000

03 DISTANCE TO NEAREST DRINKING WATER WELL < 1/4 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
~50 (ft)	West	~20 (ft)	UNKNOWN (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)
See section 5.2 SSIR.

10 RECHARGE AREA - UNKNOWN
☐ YES ☐ NO
COMMENTS

11 DISCHARGE AREA - UNKNOWN
☐ YES ☐ NO
COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

■ A. RESERVOIR, RECREATION, DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
DES PLAINES RIVER	☐	< 1/4 (mi)
Illinois and Michigan Canal	☐	< 1/4 (mi)
Chicago Shipping and Sanitary Canal	☐	< 1/4 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. ~5000 NO OF PERSONS	B. ~45,000 NO OF PERSONS	C. ~80,000 NO OF PERSONS

02 DISTANCE TO NEAREST POPULATION
< 1/8 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE
~14657

04 DISTANCE TO NEAREST OFF-SITE BUILDING
< 1/8 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site (e.g., rural, village, densely populated urban area))
Population within vicinity of site is rural, villages, and urban.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902256

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

A. 10^{-6} – 10^{-8} cm/sec ■ B. 10^{-4} – 10^{-6} cm/sec ☐ C. 10^{-4} – 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm/sec) ■ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
~20 (ft)	UNKNOWN (ft)	UNKNOWN	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
~2 (in)	2.5 (in)	15 %	to west	1.33 %

09 FLOOD POTENTIAL

SITE IS IN 100 YEAR FLOODPLAIN

10 N/A

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. >2 (mi)	B. >2 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

>2 (mi)

ENDANGERED SPECIES: Leafy Prarie Clover

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
A. 1 (mi)	B. 1 1/8 (mi)	C. unknown (mi)	D. unknown (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

See site Reconnaissance, Section 3.3 SSIR.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E INC. FIT (REGION II) FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902258

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	NONE	N/A	N/A
SURFACE WATER	NONE	N/A	N/A
WASTE	NONE	N/A	N/A
AIR	NONE	N/A	N/A
RUNOFF	NONE	N/A	N/A
SPILL	NONE	N/A	N/A
SOIL	NINE	CLAYTON ENVIRONMENTAL CONSULTANTS 22345 ROETHAL DRIVE, NOVI, MI 48050 (ORGANICS)	
VEGETATION	NONE	ENSECO/ROCKY MOUNTAIN ANALYTICAL 4955 YARROW STREET, ARVADA, CO 80002 (INORGANICS)	
OTHER	NONE		

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA 128	ON-SITE READING IN BREATHING ZONE MOST OF THE SITE HAD NO READINGS; SOME PARTS READ UP TO 300ppm Methane
Combo Explosimeter/ O_2 Meter	NONE
Drager	NONE
Rad-mini	NONE

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL

02 IN CUSTODY OF Ecology and Environment, INC. CHICAGO, IL
(Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS ECOLOGY AND ENVIRONMENT, INC., CHICAGO, IL

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E, INC. FIT (REGION V) FILES, CHICAGO, IL

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902258

II. CURRENT OWNER(S) SEE SECTION 2.3 SSIR

01 NAME Vernon Lamoreaux
02 D+B NUMBER UNKNOWN
03 STREET ADDRESS (P.O. Box, RFD #, etc.) ROUTE 2 BOX 32
04 SIC CODE UNKNOWN
05 CITY TAYLORVILLE
06 STATE IL
07 ZIP CODE 60441

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

PARENT COMPANY (If applicable)

08 NAME UNKNOWN
09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)
11 SIC CODE
12 CITY
13 STATE
14 ZIP CODE

08 NAME
09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)
11 SIC CODE
12 CITY
13 STATE
14 ZIP CODE

08 NAME
09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)
11 SIC CODE
12 CITY
13 STATE
14 ZIP CODE

08 NAME
09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)
11 SIC CODE
12 CITY
13 STATE
14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME UNKNOWN
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME UNKNOWN
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

01 NAME
02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)
04 SIC CODE
05 CITY
06 STATE
07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E, INC. FIT (REGION V) FILES CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D 980902258

(SEE SECTION 2.3 SSI)

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
WASTELAND, INC.	UNKNOWN

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2805 LOCKPORT ROAD	UNKNOWN

05 CITY	06 STATE	07 ZIP CODE
LOCKPORT	IL	

08 YEARS OF OPERATION	09 NAME OF OWNER
1976 - 1977	Vernon Lamcreamy

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
UNK	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE
/		

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
Charles Schopf	UNK

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
UNKNOWN	UNK

05 CITY	06 STATE	07 ZIP CODE
UNKNOWN	UNK	UNK

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1977-1980	Vernon Lamcreamy

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
UNK	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER
Bruce Kazlauskus	UNK

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
UNK	UNK

05 CITY	06 STATE	07 ZIP CODE
UNK	UNK	UNK

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
UNK	UNK

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E, INC. FIT (REGION V) FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D9H09C225E

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
See Section 2.3 SSIR.		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE / 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E, INC. FIT(REGION II) FILES CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D980902258

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902258

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: N/A

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: See section 2.3 SSIR.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E, INC. FIT(REGION V) FILES, CHICAGO, IL

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902258

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ■ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

See section 2.3 SSIR.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E, INC. FIT (REGION II), FILES, CHICAGO, IL

EPA FORM 2070-13 (7-81)

APPENDIX C

FIT SITE PHOTOGRAPHS

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 1 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1105

DIRECTION OF PHOTOGRAPH: Southeast

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S1

DESCRIPTION: Close up view of sediment soil sample S1.

DATE: 8/30/89

TIME: 1105

DIRECTION OF PHOTOGRAPH: SE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D Barrett

SAMPLE ID (if applicable): S1

DESCRIPTION: Perspective view of sediment soil sample S1.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 2 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1115

DIRECTION OF PHOTOGRAPH: SE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S2

DESCRIPTION: Close-up view of sediment soil sample S2

DATE: 8/30/89

TIME: 1115

DIRECTION OF PHOTOGRAPH: E

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S2

DESCRIPTION: Perspective view of sediment sample S2

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 3 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1215

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S3

DESCRIPTION: Close up VIEW of soil sample S3.

DATE: 8/30/89

TIME: 1215

DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S3

DESCRIPTION: Perspective VIEW of soil sample S4.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 4 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1230

DIRECTION OF PHOTOGRAPH: SE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S4

DESCRIPTION: Close up VIEW of sediment sample S4.

DATE: 8/30/89

TIME: 1230

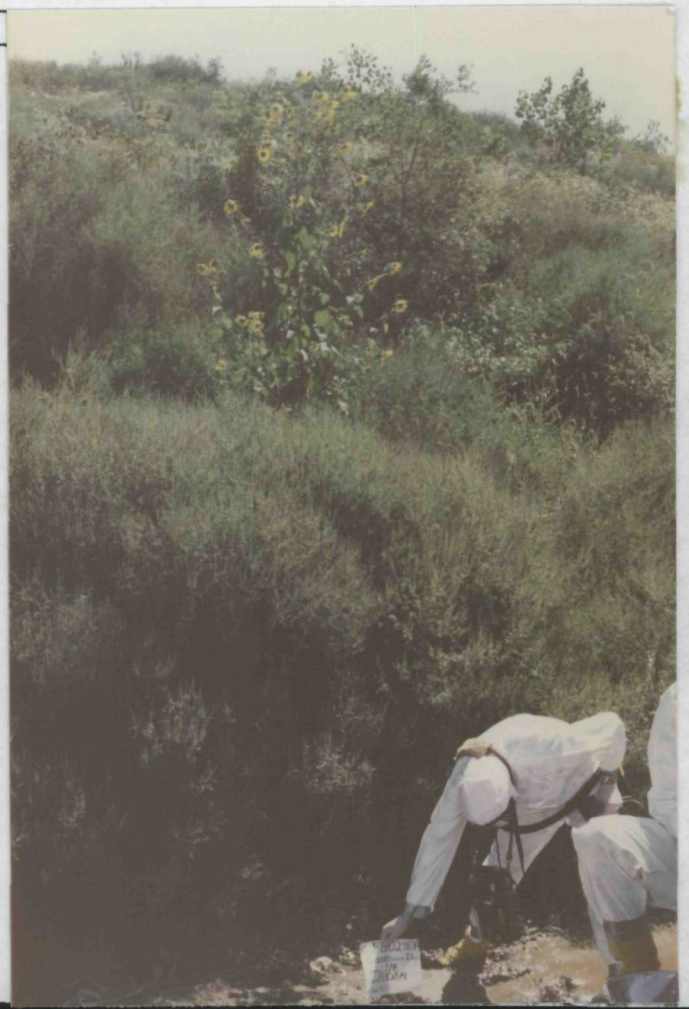
DIRECTION OF PHOTOGRAPH: ESE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S4

DESCRIPTION: Perspective VIEW of sediment sample S4



FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 5 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1430

DIRECTION OF PHOTOGRAPH: Northwest

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): S5

DESCRIPTION: Close up view of sediment sample S5.

DATE: 8/30/89

TIME: 1430

DIRECTION OF PHOTOGRAPH: NW

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): S5

DESCRIPTION: Perspective view of sediment sample S5

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 6 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1500

DIRECTION OF PHOTOGRAPH: SE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): S6

DESCRIPTION: Close view of sediment sample S6.

DATE: 8/30/89

TIME: 1500

DIRECTION OF PHOTOGRAPH: SE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): S6

DESCRIPTION: Perspective view of sediment sample S6.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 7 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1445

DIRECTION OF PHOTOGRAPH: E

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. PHILLIPS

SAMPLE ID (if applicable): S7

DESCRIPTION: Close up view of soil sample S7.

DATE: 8/30/89

TIME: 1445

DIRECTION OF PHOTOGRAPH: ENE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. PHILLIPS

SAMPLE ID (if applicable): S7

DESCRIPTION: Perspective view of soil sample S7.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 8 OF 21

U.S. EPA ID: ILD980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

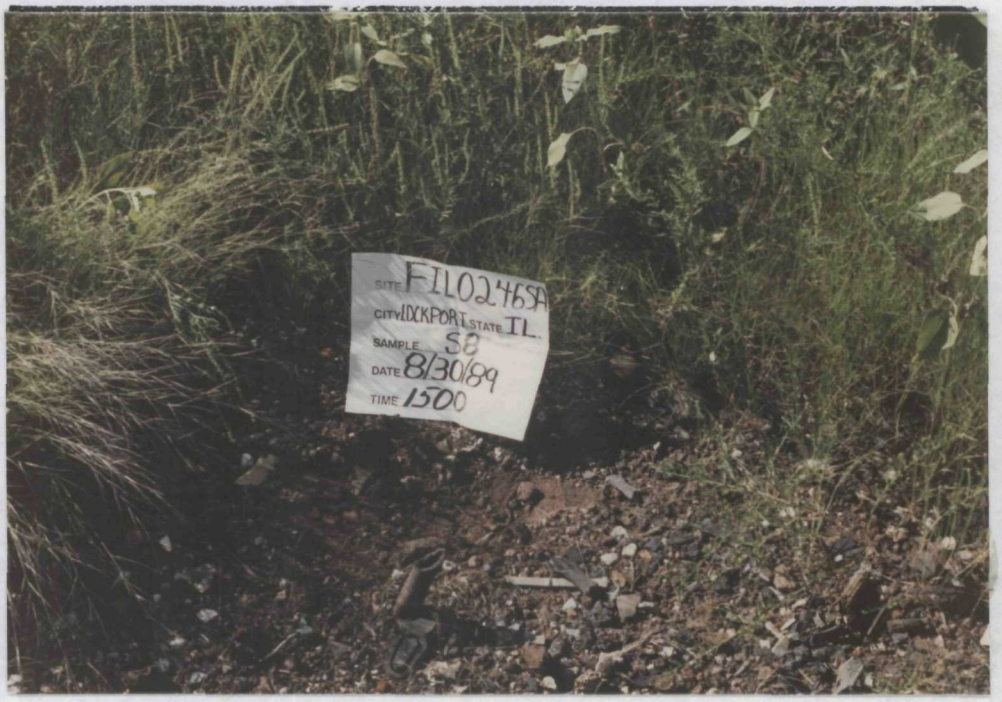
TIME: 1500

DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. PHILLIPS

SAMPLE ID (if applicable): S8



DESCRIPTION: Close up VIEW of soil sample S8.

DATE: 8/30/89

TIME: 1500

DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. PHILLIPS

SAMPLE ID (if applicable): S8

DESCRIPTION: Perspective VIEW of soil sample S8.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 9 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1525

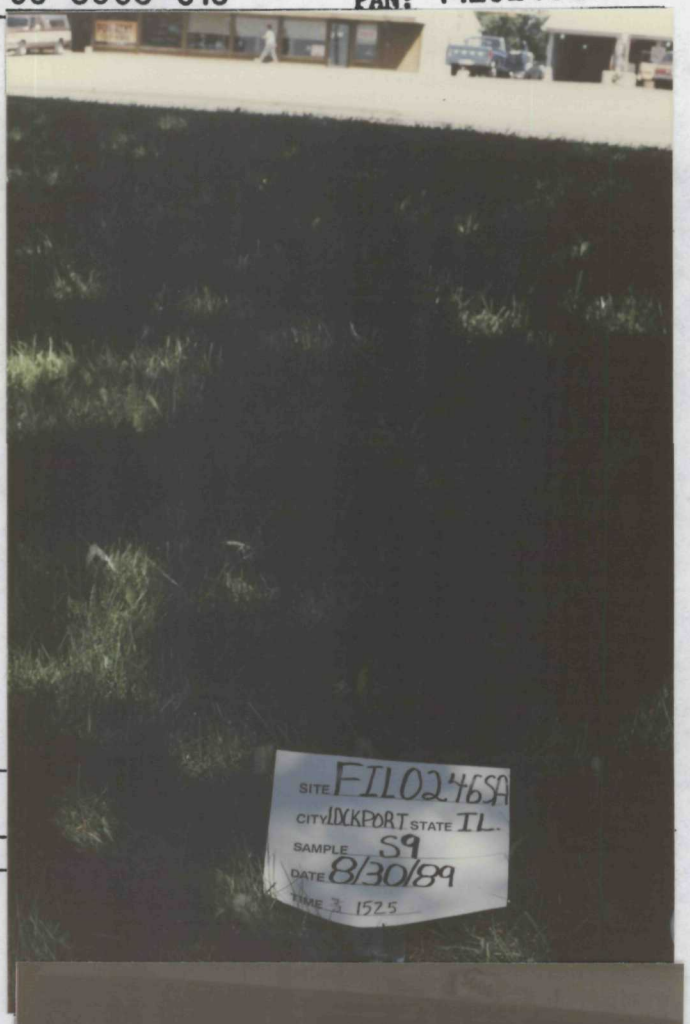
DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S9

DESCRIPTION: Close up VIEW of soil sample S9.



DATE: 8/30/89

TIME: 1525

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): S9

DESCRIPTION: Perspective VIEW of soil sample S9 showing house and street address.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 10 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1140

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: A unidentified person on-site during the screening site investigation conducted by FIT.

DATE: 8/30/89

TIME: 1140

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: Another photograph of the unidentified person on-site during the screening site investigation conducted by FIT.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 11 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1445

DIRECTION OF PHOTOGRAPH: NW

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): N/A

DESCRIPTION: The Illinois and Michigan Canal.

DATE: 8/30/89

TIME: 1445

DIRECTION OF PHOTOGRAPH: SW

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): N/A

DESCRIPTION: The Illinois and Michigan Canal.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 12 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

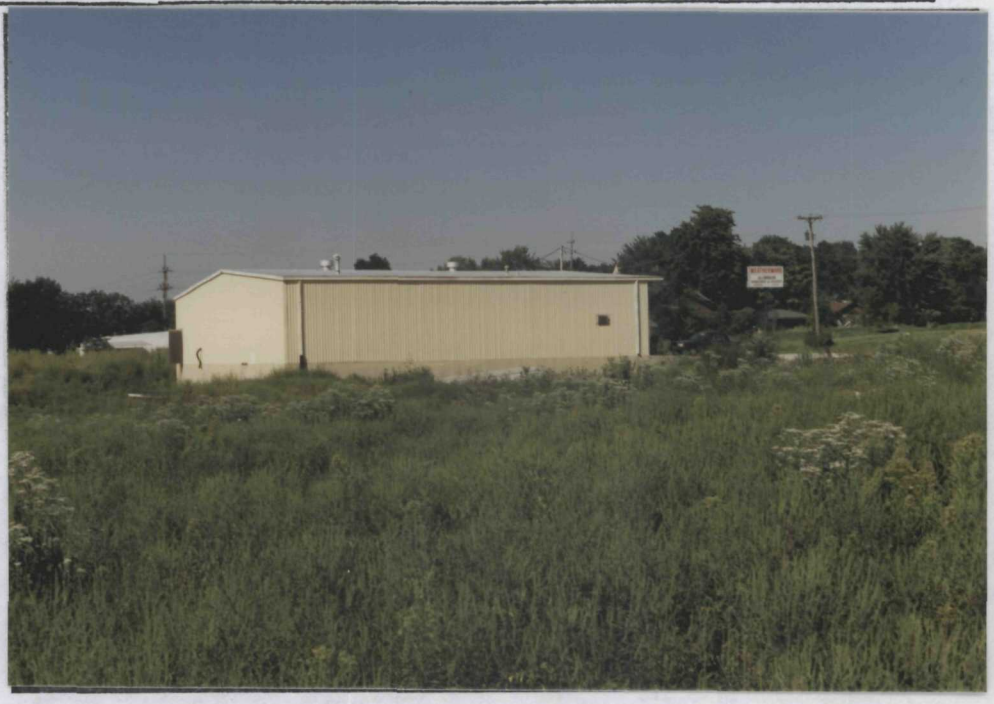
TIME: 1130

DIRECTION OF PHOTOGRAPH: NE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A



DESCRIPTION: Southwest of the business building.

DATE: 8/30/89

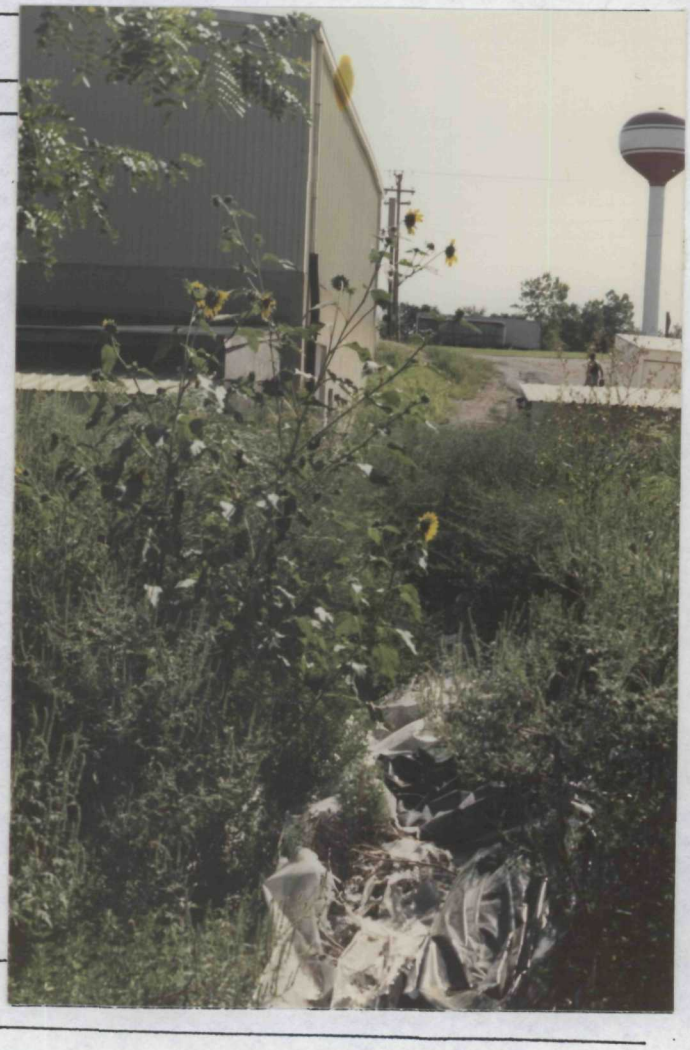
TIME: 1130

DIRECTION OF PHOTOGRAPH: NE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A



DESCRIPTION: Drainage Path located behind the business building.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 13 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1345

DIRECTION OF PHOTOGRAPH: ENE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): N/A

DESCRIPTION: Patch of land with red cinders.

DATE: 8/30/89

TIME: 1350

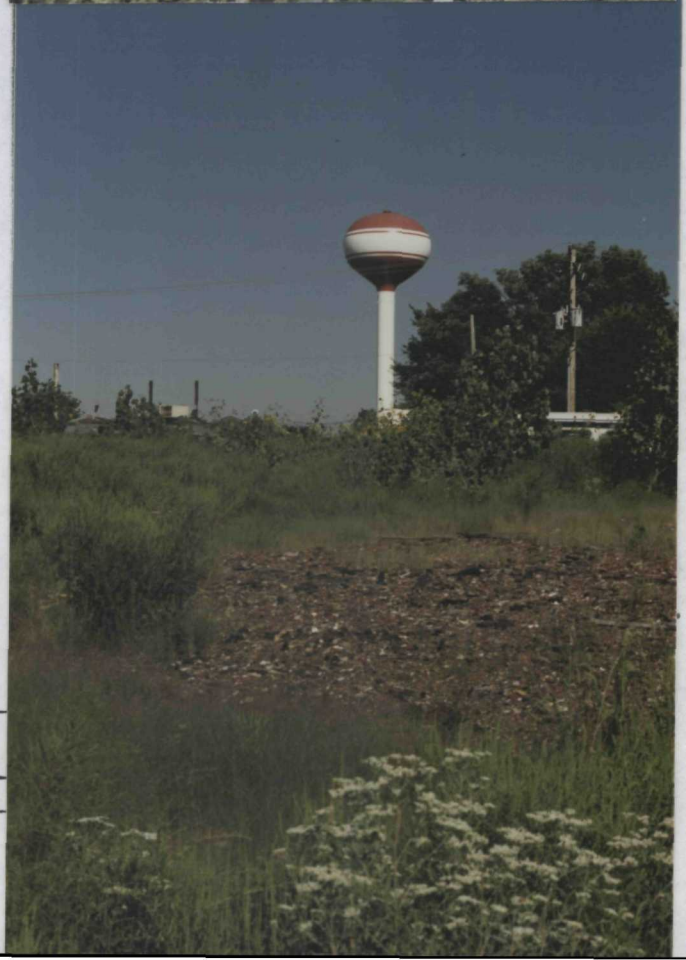
DIRECTION OF PHOTOGRAPH: NE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): N/A

DESCRIPTION: Patch of land with Field Bros. shredded auto refuse.



FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 14 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1340

DIRECTION OF PHOTOGRAPH: South

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: M. Martin

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of business building to the south.

DATE: 8/30/89

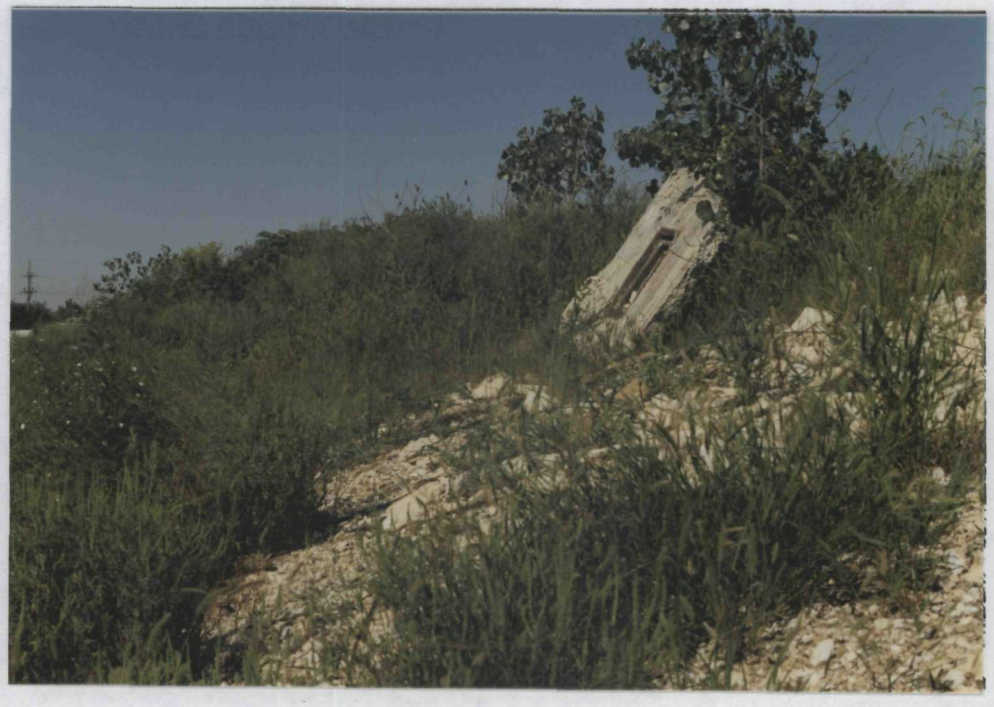
TIME: 1125

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A



DESCRIPTION: Demolition Material on slope of west side of site.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL

U.S. EPA ID: ILD 980902258

TDD: F05-8908-018

PAN: FIL0246SA

DATE: 8/30/89 TIME: 1140 DIRECTION OF PHOTOGRAPH: West PHOTOGRAPHED BY: D. Barrett

WEATHER CONDITIONS: SUNNY~80 F SAMPLE ID (if applicable): N/A

DESCRIPTION: Panoramic VIEW of western cliff of site.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89 TIME: 1140 DIRECTION OF PHOTOGRAPH: West PHOTOGRAPHED BY: D. Barrett

WEATHER CONDITIONS: SUNNY~80 F SAMPLE ID (if applicable): N/A

DESCRIPTION: Panoramic view of western cliff of site.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 17 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89 TIME: 1145 DIRECTION OF PHOTOGRAPH: WNW PHOTOGRAPHED BY: D. Barnett

WEATHER CONDITIONS: SUNNY~80 F SAMPLE ID (if applicable): _____

DESCRIPTION: Panoramic VIEW of the north end of site.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 18 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1015

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: Roof tilings, refuse on west slope of site.

DATE: 8/30/89

TIME: 1210

DIRECTION OF PHOTOGRAPH: N-NE

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: North end of the site.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: WASTELAND LANDFILL PAGE 19 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 1135

DIRECTION OF PHOTOGRAPH: NW-N

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of the site - somewhat panoramic.

DATE: 8/30/89

TIME: 1135

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY:

SAMPLE ID (if applicable):

DESCRIPTION: View of the shredded auto refuse.

SITE NAME: WASTELAND LANDFILL PAGE 20 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 10:10

DIRECTION OF PHOTOGRAPH:
East

WEATHER CONDITIONS:

SUNNY~80 F

PHOTOGRAPHED BY:
D. Barrett

SAMPLE ID (if applicable):
N/A

DESCRIPTION: A crushed auto battery at the southend of the site.

SITE NAME: WASTELAND LANDFILL PAGE 21 OF 21

U.S. EPA ID: ILD 980902258 TDD: F05-8908-018 PAN: FIL0246SA

DATE: 8/30/89

TIME: 10:05

DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: Exposed rotting paper on the west slope of the site.

DATE: 8/30/89

TIME: 1005

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: SUNNY~80 F

PHOTOGRAPHED BY: D. Barrett

SAMPLE ID (if applicable): N/A

DESCRIPTION: Exposed paper on the west slope of the site.

D

ADDENDUM A

ROUTINE ANALYTICAL SERVICES
CONTRACT REQUIRED DETECTION AND QUANTITATION LIMITS

Contract Laboratory Program
Target Compound List
Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Chloromethane	74-87-3	10 ug/L	10 ug/Kg
Bromomethane	74-83-9	10	10
Vinyl chloride	75-01-4	10	10
Chloroethane	75-00-3	10	10
Methylene chloride	75-09-2	5	5
Acetone	67-64-1	10	5
Carbon disulfide	75-15-0	5	5
1,1-dichloroethene	75-35-4	5	5
1,1-dichloroethane	75-34-3	5	5
1,2-dichloroethene (total)	540-59-0	5	5
Chloroform	67-66-3	5	5
1,2-dichloroethane	107-06-2	5	5
2-butanone (MEK)	78-93-3	10	10
1,1,1-trichloroethane	71-55-6	5	5
Carbon tetrachloride	56-23-5	5	5
Vinyl acetate	108-05-4	10	10
Bromodichloromethane	75-27-4	5	5
1,2-dichloropropane	78-87-5	5	5
cis-1,3-dichloropropene	10061-01-5	5	5
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	5
1,1,2-trichloroethane	79-00-5	5	5
Benzene	71-43-2	5	5
Trans-1,3-dichloropropene	10061-02-6	5	5
Bromoform	75-25-2	5	5
4-Methyl-2-pentanone	108-10-1	10	10
2-Hexanone	591-78-6	10	10
Tetrachloroethene	127-18-4	5	5
Tolene	108-88-3	5	5
1,1,2,2-tetrachloroethane	79-34-5	5	5
Chlorobenzene	108-90-7	5	5
Ethyl benzene	100-41-4	5	5
Styrene	100-42-5	5	5
Xylenes (total)	1330-20-7	5	5

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Phenol	108-95-2	10 ug/L	330 ug/Kg
bis(2-Chloroethyl) ether	111-44-4	10	330
2-Chlorophenol	95-57-8	10	330
1,3-Dichlorobenzene	541-73-1	10	330
1,4-Dichlorobenzene	106-46-7	10	330
Benzyl Alcohol	100-51-6	10	330
1,2-Dichlorobenzene	95-50-1	10	330
2-Methylphenol	95-48-7	10	330
bis(2-Chloroisopropyl) ether	108-60-1	10	330
4-Methylphenol	106-44-5	10	330
N-Nitroso-di-n-dipropylamine	621-64-7	10	330
Hexachloroethane	67-72-1	10	330
Nitrobenzene	98-95-3	10	330
Isophorone	78-59-1	10	330
2-Nitrophenol	88-75-5	10	330
2,4-Dimethylphenol	105-67-9	10	330
Benzoic Acid	65-85-0	50	1600
bis(2-Chloroethoxy) methane	111-91-1	10	330
2,4-Dichlorophenol	120-83-2	10	330
1,2,4-Trichlorobenzene	120-82-1	10	330
Naphthalene	91-20-3	10	330
4-Chloroaniline	106-47-8	10	330
Hexachlorobutadiene	87-68-3	10	300
4-Chloro-3-methylphenol	59-50-7	10	330
2-Methylnaphthalene	91-57-6	10	330
Hexachlorocyclopentadiene	77-47-4	10	330
2,4,6-Trichlorophenol	88-06-2	10	330
2,4,5-Trichlorophenol	95-95-4	50	1600
2-Chloronaphthalene	91-58-7	10	330
2-Nitroaniline	88-74-4	50	1600
Dimethylphthalate	131-11-3	10	330
Acenaphthylene	208-96-8	10	330
2,6-Dinitrotoluene	606-20-2	10	330
3-Nitroaniline	99-09-2	50	1600
Acenaphthene	83-32-9	10	330
2,4-Dinitrophenol	51-28-5	50	1600
4-Nitrophenol	100-02-7	50	1600
Dibenzofuran	132-64-9	10	330
2,4-Dinitrotoluene	121-14-2	10	330
Diethylphthalate	84-66-2	10	330
4-Chlorophenyl-phenyl ether	7005-72-3	10	330

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SLUDGE SEDIMENT
Fluorene	86-73-7	10 ug/L	330 ug/Kg
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	1600
N-nitrosodiphenylamine	86-30-6	10	330
4-Bromophenyl-phenylether	101-55-3	10	330
Hexachlorobenzene	118-74-1	10	330
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	330
Fluoranthene	206-44-0	10	330
Pyrene	129-00-0	10	330
Butylbenzylphthalate	85-68-7	10	330
3,3'-Dichlorobenzidine	91-94-1	20	660
Benzo(a)anthracene	56-55-3	10	330
Chrysene	218-01-9	10	330
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	330
Benzo(b)fluoranthene	205-99-2	10	330
Benzo(k)fluoranthene	207-08-9	10	330
Benzo(a)pyrene	50-32-8	10	330
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	330
Benzo(g,h,i)perylene	191-24-2	10	330

Table A
Contract Laboratory Program
Target Compound List
Pesticide and PCB Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
alpha-BHC	319-84-6	0.05 ug/L	8 ug/Kg
beta-BHC	319-85-7	0.05	8
delta-BHC	319-86-8	0.05	8
gamma-BHC (Lindane)	58-89-9	0.05	8
Heptachlor	76-44-8	0.05	8
Aldrin	309-00-2	0.05	8
Heptachlor epoxide	1024-57-3	0.05	8
Endosulfan I	959-98-8	0.10	16
Dieldrin	60-57-1	0.10	16
4,4'-DDE	72-55-9	0.10	16
Endrin	72-20-8	0.10	16
Endosulfan II	33213-65-9	0.10	16
4,4'-DDD	72-54-8	0.10	16
Endosulfan sulfate	1031-07-8	0.10	16
4,4'-DDT	50-29-3	0.5	80
Methoxychlor (Mariate)	72-43-5	0.10	16
Endrin ketone	53494-70-5	0.5	80
alpha-Chlordane	5103-71-9	0.5	80
gamma-chlordane	5103-74-2	1.0	160
Toxaphene	8001-35-2	0.5	80
AROCLOR-1016	12674-11-2	0.5	80
AROCLOR-1221	11104-28-2	0.5	80
AROCLOR-1232	11141-16-5	0.5	80
AROCLOR-1242	53469-21-9	0.5	80
AROCLOR-1248	12672-29-6	1.0	160
AROCLOR-1254	11097-69-1	1.0	160
AROCLOR-1260	11096-82-5		

TABLE A (Cont.)
CONTRACT LABORATORY PROGRAM
HAZARDOUS SUBSTANCE LIST (HSL)
INORGANIC DETECTION LIMITS

COMPOUND	PROCEDURE	DETECTION LIMITS WATER	DETECTION LIMITS SOIL SEDIMENT SLUDGE
ALUMINUM	ICP	200 ug/L	40 mg/KG
ANTIMONY	FURNACE	60	2.4
ARSENIC	FURNACE	10	2
BARIUM	ICP	200	40
BERYLLIUM	ICP	5	1
CADMIUM	ICP	5	1
CALCIUM	ICP	5000	1000
CHROMIUM	ICP	10	2
COBALT	ICP	50	10
COPPER	ICP	25	5
IRON	ICP	100	20
LEAD	FURNACE	5	1
MAGNESIUM	ICP	5000	1000
MANGANESE	ICP	15	3
MERCURY	COLD VAPOR	0.2	0.008
NICKEL	ICP	40	8
POTASSIUM	ICP	5000	1000
SELENIUM	FURNACE	5	1
SILVER	ICP	10	2
SODIUM	ICP	5000	1000
THALLIUM	FURNACE	10	2
TIN	ICP	40	8
VANADIUM	ICP	50	10
ZINC	ICP	20	4
CYANIDE	COLOR	10	2

APPENDIX E

WELL LOGS OF THE AREA OF THE SITE

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 618, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 1

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. ____ in. Depth 197 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
CEMENT	0	36

2. Distance to Nearest:
   Building 10 Ft. Seepage Tile Field NONE
   Cess Pool NONE Sewer (non Cast Iron) NONE
   Privy NONE Sewer (Cast Iron) 30'
   Septic Tank NONE Barnyard NONE
   Leaching Pit NONE Manure Pile NONE
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed DEC 11 1968
5. Permanent Pump Installed? Yes X No ____
   Manufacturer [illegible] Type VERT TURBINE LINE SHAFT
   Capacity 150 gpm. Depth of setting 170 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes ____ No X
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 6129 Year 1968
11. Property owner RUBEROID CO Well No. 1968
    Address THORNTON ST JOLIET
    Driller J.P. MILLER ART WELL CO License No. 62-2
12. Water from DOLOMITE (Formation) 13. County WILL
    at depth 10 to 197 ft.
14. Screen: Diam. — in.
    Length: — ft. Slot: —
    Sec. 34 Qa
    Twp. 36N
    Rng. 10E
    Elev. ____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
16"	STL 62#	0	10
10"	STL 40#	0	36

SHOW LOCATION IN SECTION PLAT
550' N, 80
SW/c SU

16. Size Hole below casing: 10 in.
17. Static level 8 ft. below casing top which is 4 ft above ground level. Pumping level 105 ft. when pumping at 165 gpm for 7 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
DRIFT	10	10
NIAGARAN DOLOMITE	174	184
MAQUOKETA SHALE	13	197
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED Edward S Sieback DATE Nov. 20 1969

INSTRUCTIONS TO DRILLERS

White Copy — Ill. Dept. of Pu... Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQU...ED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 2

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____ Bored ____ Hole Diam. 5 in. Depth 150 ft.
   Curb material ____ Buried Slab: Yes ____ No ____
   b. Driven ____ Drive Pipe Diam. 5 in. Depth 42 ft.
   c. Drilled X Finished in Drift ____ In Rock ____
   Tubular ____ Gravel Packed ____
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cement	41	42

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 75
   Cess Pool ____ Sewer (non Cast Iron) ____
   Privy ____ Sewer (Cast Iron) ____
   Septic Tank 50 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption? Yes X No ____
4. Date well completed 6/7/73
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Bassial Type Submersible
   Capacity 10 gpm. Depth of setting 90 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

IDPH 4.065
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Joseph Ledivra Well No. 1
    Address 2003 Lockport Rd. - Lockport
    Driller Charles Ayres License No. 23
11. Permit No. 22697 Date 4/17/73
12. Water from Limestone 13. County Will
    Formation at depth 42 to 150 ft. Sec. 34
14. Screen: Diam. ____ in. Twp. 36N
    Length: ____ ft. Slot ____ Rge. 10E
    Elev. ____

SHOW LOCATION IN SECTION PLAT: NESESW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15 lb.	0'	42'

16. Size Hole below casing: 5 in.
17. Static level 50 ft. below casing top which is +1 ft. above ground level. Pumping level 52 ft. when pumping at 10 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	6'	6'
Limestone	144'	150'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Ayres DATE 6/13/73

Lockport Well & Pump

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 3

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____ Bored ____ Hole Diam. 5 in. Depth 175 ft.
   Curb material ____ Buried Slab: Yes ____ No ____
   b. Driven ____ Drive Pipe Diam. 5 in. Depth 42 ft.
   c. Drilled x Finished in Drift ____ In Rock x
   Tubular ____ Gravel Packed ____
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cement	4'	42'

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 75'
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50' Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption? Yes x No ____
4. Date well completed 2-18-73
5. Permanent Pump Installed? Yes x No ____
   Manufacturer Barnes Type Submersible
   Capacity 10 gpm. Depth of setting 126 ft.
6. Well Top Sealed? Yes x No ____ Williams-[illegible] Prod.
7. Pitless Adaptor Installed? Yes x No ____ Williams attached to [illegible] connection
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No x

REMARKS: 42 gal. Hali-pressure tank located in house

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Leo Bakula Well No. 1
    Address 112 Fairmont St. - Lockport, Ill.
    Driller Charles Fykes License No. 160
11. Permit No. 22045 Date 2-28-73
12. Water from Limestone (Formation) at depth 42 to 175 ft.
13. County Will
    Sec. 34 Twp. 36N Rge. 10E Elev. ____
14. Screen: Diam. ____ in. Length: ____ ft. Slot ____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15 lbs.	0'	42'

SHOW LOCATION IN SECTION PLAT

SE SW NE

16. Size Hole below casing: 5 in.
17. Static level 85 ft. below casing top which is +1 ft. above ground level. Pumping level 90 ft. when pumping at 10 gpm for 1 hours.
18.

FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	5'	5'
Clay	15'	20'
Limestone	155'	175'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 3-2-73
Lockport Well & Pump

[redacted] & [redacted] Cop[redacted]
Ill. Dept. of Public Health
Yello[redacted]opy: Well Contractor
Golden Copy: Well Owner

LOG 4

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

RECEIVED
JAN 20 1989
DIVISION OF ENVIRONMENTAL HEALTH

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Driller Charles Fykes License No. 102-000239
10. Well Site Address 3100 Lockport Rd. Lockport, IL
11. Property Owner Lubic Welding & Mfg. Well No. 1
12. Permit No. 008131 Date Issued 12-01-88
13. Location: County Will
Sec. 34.4e
Twp. 36N
Rge. 10E

		X	
X			

Show location in section plat
SW SW NE

1. Type of Well
   a. Bored____ Hole Diam. 5 in. Depth 150 ft
      Buried Slab: Yes___ No___
   b. Driven____ Drive Pipe Diam. 5 in. Depth 40 ft
   c. Drilled X Finished in Drift____ In Rock X
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cement	-5	40

2. Well furnishes water for human consumption? Yes X No___
3. Date well drilled 12-9-88
4. Permanent pump installed? Yes X Date 12-10-88 No___
   Manufacturer Webtrol Type Subm.
   Location Well
   Capacity 10 gpm. Depth of setting 100 ft.
5. Well top sealed? Yes X No___ Type Vermin-Proof (Wms.)
6. Pitless adapter installed? Yes X No___
   Manufacturer Williams Model No. 501TC
   How attached to casing? Compression Gasket Connection
7. Well disinfected? Yes X No___
8. Pump and equipment disinfected Yes X No___

C# 30881

14. Water from Limestone at depth 27 ft to 150 ft

15. Casing and Liner Pipe

Diam.(in)	Kind and Weight	From (ft)	To (ft)
5	A-53 15 lbs	0	40

16. Screen: Diam.___in, Length___in, Slot Size___
17. Size hole below casing 5 in. 18. Ground Elev.____ ft msl.
19. Static level 60 ft below casing top which is +1 ft. above ground level. Pumping level 80 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Gravel	0	6'
Clay	6	27'
Limestone	123'	150'

Continue on separate sheet if necessary.

IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

Signed Charles Fykes Date 1-17-89

IL482-0126

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 5

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 6 in. Depth 905 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. 6 in. Depth 314 ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

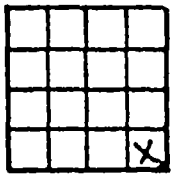
2. Distance to Nearest:
   Building 30 Ft. Seepage Tile Field 75'
   Cess Pool _____ Sewer (non Cast Iron) _____
   Privy _____ Sewer (Cast Iron) _____
   Septic Tank 50' Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes X No _____
4. Date well completed 2-10-79
5. Permanent Pump Installed? Yes X No _____
   Manufacturer Sta-Rite Type Submersible
   Capacity 25 gpm. Depth of setting 735 ft.
6. Well Top Sealed? Yes X No _____
7. Pitless Adaptor Installed? Yes X No _____
8. Well Disinfected? Yes X No _____
9. Water Sample Submitted? Yes _____ No X

REMARKS:

IDPH 4.065
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Intercontinental Alloys Corp. Well No. 1
    Address N. Broadway St., Joliet, Ill.
    Driller Charles Fykes License No. 23
11. Permit No. 83432 Date 2-2-79
12. Water from St. Peter Sand (Formation) 13. County Will
    at depth 640 to 905 ft.
    Sec. 28
    Twp. 36N
    Rge. 10E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____



SHOW LOCATION IN SECTION PLAT
SE SE SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	A-53 19.45 lbs	0	314

16. Size Hole below casing: 6 in.
17. Static level 635 ft. below casing top which is +1 ft. above ground level. Pumping level 665 ft. when pumping at 25 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Gravel	7	7
Limestone	53	60
Shale	10	70
Gravel	40	110
Shale	110	313
Limestone	327	640
St. Peter Sand	265	905

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Fykes DATE Nov. 13, 1979

11

Wh... Ill. Dept. ...Public Health
Yellow Cop... ...ell Contractor
Blue Copy... ...ell Owner

FILL IN ALL ...TINE... ...NFOR...ON ...ESTE... D M... RIGI... TO ... PARTMENT OF PUBLIC HEALTH, ROOM 61... STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGIC. /WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 6

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 125 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. 5 in. Depth 123 ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Negrest:
   Building 90 Ft. Seepage Tile Field 75'
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 50' Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed 4-21-72
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Barnes Type Submersible
   Capacity 10 gpm. Depth of setting 147 ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Bill Kastney Well No. 1
    Address 222 Dellogg St Lockport
    Driller Lockport Well Drilling License No. 186
11. Permit No. 12904 Date 4-20-72
12. Water from Limestone Formation 13. County Will
    at depth 123 to 125 ft.
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
    Sec. 27.10
    Twp. 36N
    Rge. 10E
    Elev. ____

SHOW LOCATION IN SECTION PLAT
NE SE SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15 lb.	0'	123'

16. Size Hole below casing: 5 in.
17. Static level 60 ft. below casing top which is +1 ft. above ground level. Pumping level 147 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1'	1'
Clay	37'	38'
Limestone	32'	70'
Shale	20'	90'
Limestone	85'	175'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Lyons DATE 5-16-72

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LOG 7

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 190 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. 5 in. Depth 40 ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cement	4'	40'

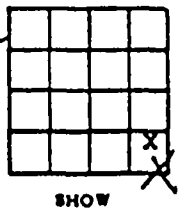
2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 75'
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50' Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes X No_____
4. Date well completed 2-29-72
5. Permanent Pump Installed? Yes X No_____
   Manufacturer Barnes Type Submersible
   Capacity 10 gpm. Depth of setting 126' ft.
6. Well Top Sealed? Yes X No_____
7. Pitless Adaptor Installed? Yes X No_____
8. Well Disinfected? Yes X No_____
9. Water Sample Submitted? Yes_____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Rich Manning Well No. 1
    Address 203 Bruce Road - Lockport
    Driller Lockport Well & Pump License No. 180
11. Permit No. 16670 Date 3-1-72
12. Water from Limestone (Formation) 13. County Will
    at depth 40 to 190 ft.
    Sec. 27 1/4
    Twp. 36N
    Rge. 10E
    Elev. _____
14. Screen: Diam._____in.
    Length:_____ft. Slot_____



SHOW LOCATION IN SECTION PLAT

lot 278 Dellwood Highlands
SE SE SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15lbs	0'	40'

16. Size Hole below casing: 5 in.
17. Static level 70 ft. below casing top which is +1 ft. above ground level. Pumping level 70 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1'	1'
Clay	14'	15'
Boulders	2'	17'
Clay	21'	38'
Limestone	152'	190'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Chas. Rich DATE 3-17-72